



January 29, 2025

Electronically Filed
Rosemary Chiavetta, Secretary
PA Public Utility Commission
Keystone Bldg., 2nd Floor
400 North Street Harrisburg, PA 17120

Re: Pittsburgh Water and Sewer Authority Quarterly Compliance Plan Progress Report Consolidated
Docket Numbers: M-2018-2640802 (water), M-2018-2640803 (wastewater), P-2018-3005039 (wastewater)

Dear Secretary Chiavetta:

Enclosed please find the Pittsburgh Water and Sewer Authority ("PWSA") Compliance Plan Quarterly Update Report for the Fourth Quarter of 2024. This Report is being filed pursuant to the Commission's March 26, 2020 Opinion and Order entered at the above referenced docket numbers which addressed compliance issues regarding PWSA's transition to the Commission's jurisdiction effective April 1, 2018 pursuant to 66 Pa. C.S. §§ 3201-3209.

As part of its reporting requirements, PWSA has prepared an update on each of the areas where it is required to provide information and compiled them in a standard format. These areas include Operations, Billing and Customer Service, Lead, Infrastructure/Engineering, Finance and Accounting, and Contractual/Other Issues. Each section addresses the requirements associated with: (1) the Partial Settlement approved pursuant to the March 26, 2020 Opinion and Order (also referred to as the "Master List of Stipulations"); (2) PWSA's Revised Compliance Plan as filed April 27, 2020; and (3) the Settlement of PWSA's 2020 rate case approved on December 3, 2020 at Docket Nos. R-2020-3017951 and R-2020-3017970.

Sincerely,

William J. Pickering

William Pickering, Chief Executive Officer

Pittsburgh Water and Sewer Authority
PUC Quarterly Update Report
Q4 2024



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1. Operations

Operations activities are those that involve operations and maintenance (O&M) in the water, wastewater, and stormwater systems. This includes O&M activities at the Aspinwall Water Treatment Facility, as well as O&M activities in the water transmission, storage and distribution systems and the wastewater/stormwater collection and conveyance systems.

a. Compliance Plan Supplement Requirements

The Compliance Plan Supplement addresses topics including hydrant replacement, leak detection, valve maintenance, metered service, meter testing/replacement, operational effectiveness, and an expanded use of mobile work, as shown in Table 1. This section lays out each of the requirements that Pittsburgh Water has committed to meeting, as well as a progress update and/or plan for achieving the PUC's standards. Below the table is a narrative describing each task yet to be completed. Completed tasks are also shown in Appendix A.

Table 1: Compliance Plan Supplement Requirements - Operations

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Replace one hundred hydrants per year.	On-going	A total of 188 hydrants were replaced in 2024.

i. Replace one hundred hydrants per year

Pittsburgh Water agreed to replace one hundred hydrants per year. The replacement program is focused on removing older models from service on larger diameter mains. Pittsburgh Water has replaced a total of 188 hydrants in 2024. The work associated with this task is being completed using both contractors and in-house staff. Hydrant replacements are coordinated with the small diameter main replacement program so that new hydrants are installed on new mains that replace older 4- and 6-inch mains that provide inadequate flow and/or pressure. Hydrant inspections continue to exceed previous year totals.

2. Customer Service

Many of the PUC's requirements relating to Customer Service fall under Chapter 56 of Title 52, which was created to establish and enforce "uniform, fair, and equitable residential public utility service standards." Pittsburgh Water has taken considerable steps to ensure Customer Service compliance, and many of the initiatives agreed to in the Master List of Stipulation Requirements, Tariff Settlements, and Compliance Plan Stage 1 and Stage 2 Settlements are complete.

a. Compliance Plan Supplement Requirements

The Compliance Plan Supplement addresses topics including informal complaints, bill changes, use of collection services, customer service metrics, and creating/working with the LIAAC as shown in Table 2. This section lays out each of the requirements that Pittsburgh Water has committed to meeting, as well as a progress update and/or plan for achieving the PUC's standards. Below the table is a narrative discussion of each task that has yet to be completed. Tasks associated with the Compliance Plan Supplement that were completed in prior reporting periods are shown in Appendix A.

Table 2: Compliance Plan Supplement Requirements – Customer Service

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Make the changes identified in Paragraphs III.1.1 through III.10 of the Settlement consistent with the timeframes established by the final order in this proceeding and provide a copy of the changes to the LIAAC.		The following are complete with a portion of (c) on-going: - Improved outreach and messaging for programs (a); - Launched a social media campaign (b); - Designed a comprehensive arrearage forgiveness component to address arrears at the time of enrollment, scheduled to launch with the SAP go-live in August 2022 (c); - Assessed applicable data (d); - Pittsburgh Water launched two campaigns to fund the Hardship Grant in December 2020; an internal campaign to its employees, and an external campaign to its customers (e); - Explored issues related to the structure of the Hardship Grant program (f); - Reviewed changes to Pittsburgh Water Customer Service policies and procedures (g); and - Funded BDP with separate budgets for water and wastewater (h).

- i. Make the changes identified in Paragraphs III.1.1 through III.10 of the Settlement consistent with the timeframes established by the final order in this proceeding and to provide a copy of the changes to the LIAAC

Pittsburgh Water has completed the changes identified in Paragraphs III.1.1 through III.10 of the Settlement, consistent with the timeframes established by the final order in this proceeding. The changes that have been made were reviewed with the LIAAC and are contained within archived presentations to the committee. As of this quarter, the only outstanding item is a portion of “c” that is on hold per section III.E.3.f of the Joint Petition for Settlement filed on October 30, 2023.

Table 3: Compliance Plan Requirements- Interim Personal Contact Process Results

	October 2024	November 2024	December 2024
Personal Contact Attempts	126	71	19
Terminations Completed	91	29	17
Terminations Placed on Hold Due to Personal Contact	28	27	1
Terminations Not Completed Due to Curb Box Issues	7	15	1

Customer Satisfaction Survey

Per the Joint Petition for Settlement approved by the Commission on December 3, 2020, PWSA submits these initial Customer Satisfaction Survey findings.

In 2022, the Pittsburgh Water and Sewer Authority engaged Probolsky Research to conduct our first customer satisfaction survey. The purpose of the survey was to gauge overall customer satisfaction and perceptions of PWSA, measure awareness of programs and services, and understand customers' preferred methods of communication. The survey was conducted from August 8 – September 14, 2022, using a variety of methods to reach a representative sample of PWSA customers.

In total, we received 430 responses, which, according to Probolsky Research, is a representative sample of our customers. We received responses from a broad sampling of the Pittsburgh community. The following demographics stood out.

The largest age group to respond were those between the ages of 18 - 29 (31%) followed by those who were 50 - 64 (20%). More than one-third of respondents reported an income of less than \$35,000 (35.3%) and more than half of respondents identified as renters.

The results indicate that there is significant name recognition and awareness of PWSA and that a majority of respondents approve of the job PWSA is doing. The following summarizes some of the key findings of the survey results.

Key Findings on Customer Awareness and Approval

- 85% have heard of PWSA (5% Unsure)
- 55% approve of the job PWSA is doing (31% Unsure)
- 58% rate the water and sewer services in their area as excellent or good (25% Fair, 6% Unsure)
- 84% agree the services PWSA provides are valuable (12% Unsure)

Key Findings on Important Activities and Attributes

- 93% say it's important to them that PWSA is transparent about drinking water quality (6% Unsure)
- 91% say it's important to them that PWSA protects public health (7% Unsure)
- 91% say it's important to them that PWSA plans for future improvements in the water system (7% Unsure)
- 90% say it's important to them that PWSA protects the environment (5.6% Unsure)
- 79% support PWSA using ratepayer dollars to invest funds to maintain, improve & modernize water infrastructure (13% Unsure)

Key Findings on Customer Assistance Programs

- 44% are not at all familiar with PWSA's Customer Assistance Programs (25.8% Somewhat familiar, 9.3% Very familiar)
- 7.4% are already enrolled
- 72% support using ratepayer dollars to enhance and expand these programs

Key Findings on PWSA Employees

- 86% agree that PWSA employees are important to public health and safety
- 60% trust that the agencies that provide water services have their family's best interest at heart (23.5% Unsure)
- 47% trust that PWSA makes smart decisions about water and sewer services (40.5% Unsure)

41% of respondents indicated that email is their preferred method of communication for receiving information from PWSA and nearly 55% receive information about their community from local television. KDKA is the most watched network and Facebook is the most used social media platform. Additionally, water quality (51.2%) and water safety (48.1%) are the two topics on which PWSA customers would like consistent updates.

Recommendations and Next Steps

The 2024 Customer Satisfaction Survey was conducted from October 28 through November 21 of last year. We collected 800 responses sending direct mail invitations using our internal customer contacts and encouraging community leaders to share the survey with their networks. The warm invitation to the survey generated 458 responses whereas the direct mail invitation generated 342 responses. We received responses from a well-rounded sampling of our customers. Looking at income approximately one-third of responses were from those earning less than \$50,000, another one-third was from customers earning between \$50,000 and \$99,000 annually, and the final third was from those earning more than \$100,000. The majority of responses, approximately 71% were from full-service customers - those who identify as receiving water and sewer services or water, sewer, and stormwater services.

Some of the key findings from the 2024 Customer Satisfaction Survey are highlighted below:

Strengths

- 76% of water-only customers report very strong satisfaction ratings citing reliability, excellent customer service, and water quality as top reasons for their satisfaction. Nearly three-quarters of these customers have seen improvements in recent years relating to water quality, better customer service, and water main replacement upgrades as being most recognized.
- Most customers trust Pittsburgh Water to make smart decisions about their water and sewer services and be transparent when issues arise.
- Communication frequency aligns with customer expectations and the majority of customers recall seeing at least one message from Pittsburgh Water in recent months.
- Most customers have some level of familiarity with our Customer Assistance Programs and self-reported enrollment in the programs was very high among those who indicated they were eligible.

Areas for Improvement

- Multiple data points indicate lingering lack of awareness associated with Pittsburgh Water's name, operations, and corporate goals.
- Full-service and sewer or stormwater only customers consistently rated Pittsburgh Water less positively than water-only customers.

Specific Findings

- 62% of customers recognize Pittsburgh Water & Sewer Authority, PGH2O, and Pittsburgh Water are different names for the same entity.
- Approximately two-thirds (65%) rated Pittsburgh Water service as excellent or very good. Factors driving satisfaction include reliable service, high-quality customer service, and water quality.
- 72% of customers have noticed improvements since 2018 with 43% of respondents indicating Major Improvements and 30% indicating Minor Improvements. 20% of respondents indicate no change indicating that there is still work to do to change perception more broadly.
- 69% of respondents indicate that Pittsburgh Water is making smart decisions about water and sewer services. 72% believe the Authority is transparent about water and sewer services and 73% indicate transparency when communicating about water quality and sewer issues.
- Customers placed the highest priority on their utility ensuring high water quality, protecting customers from water-related health concerns, and being transparent about water quality. These priorities are in line with the previous customer satisfaction survey conducted in 2022. Additionally, customers view higher rates as a reasonable (but not ideal) trade-off for maintaining and improving the water system.
- 40% of customers indicate email as their preferred communication method, 12% cite text messages as their preferred method, and 10% indicate that the website or social media is an ideal channel.

- Customers were most likely to recall messages from Pittsburgh Water highlighted in their bill insert, announced in a press release or email message, and available on the website or on social media. The most recalled topics include messages related to rate increases, reports on lead levels or replacement of lead service lines, customer assistance programs, and the annual water quality report.
- 29% of customers are very familiar with our Customer Assistance Programs and 46% are somewhat familiar. Approximately 51% of these customers believe they are eligible for the programs and 89% of those customers are enrolled.

Launch of Pittsburgh Water

On November 7, 2024, the Pittsburgh Water and Sewer Authority officially changed its name and announced the launch of Pittsburgh Water. To officially make this strategic change, Pittsburgh Water issued a press release, launched an ad campaign announcing the name change as well as commitments to water quality, and organized an employee launch celebration providing employees with an overview of the rationale for the rebranding. The ad campaign began running on November 11th and will continue running through the first quarter of 2025. It includes digital ads on streaming stations and social media, radio spots, and bus boards placed on several Pittsburgh Regional Transit buses. Initial results indicate that the ads are performing well and are meeting expectations around engagement. Organizational communication assets such as the website, employee intranet, social media channels, and other online platforms were updated with the new branding. In December, we held a Lunch-n-Learn to provide additional information to employees related to the organizational rebranding. The implementation of the rebrand will continue throughout 2025.

Enhanced Stormwater Communications

The communication plan outlining enhancements to stormwater communication was finalized last year. The plan will be vetted with executive leadership during the first quarter of 2025 and implementation of the plan will begin. Public Affairs staff has been assigned to support this initiative.

3. Lead

One of the major focus areas of the Tariff and Compliance Plan Supplement was Pittsburgh Water's lead remediation program. The following sections lay out the requirements related to lead, as well as the actions that Pittsburgh Water has already taken or are underway to address this issue.

a. Tariff and Compliance Plan Supplement Requirements

The Compliance Plan Supplement addresses topics including the Community Lead Response Advisory Committee (CLRAC), customer outreach and communication, feasibility analysis, and service line replacement practices as shown in Table 4. This section lays out each of the requirements that Pittsburgh Water has committed to reporting on a quarterly basis. Below the table is a narrative discussion of each area.

Table 4: Compliance Plan Supplement Requirements – Lead

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Provide Data on lead service line replacements completed and location of replacements.	Quarterly	Please see the data included in Appendix H.
Results of the Lead Level Testing	N/A	See Table Below. Based on historic sampling results and a recent Water Quality Parameter Permit, the next sampling event will occur in the summer of 2025.

Pittsburgh Water will provide information regarding actual replacement costs including quarterly and cumulative year-to-date data.	Quarterly	Replacement costs were \$1,727,858 for the 4th quarter of 2024. These do not include costs for LSLR as part of the Small Diameter Water Main Replacement program.

i. Provide Data on lead service line replacements completed and location of replacements

The data showing all lead service line replacements during the fourth quarter of 2024 is included in Appendix H.

ii. Results of the Lead Level Testing

Results of the Lead Level testing are as follows:

Sample Round	90 th Percentile Sample Result (ppb)
1998	9
1999	2
2000	8
2001	6
2004	9.5
2007	9
2010	10.3
2013	14.8
2016a	22
2016b	18
2017a	15
2017b	21
2018a	10
2018b	20
2019a	17.5
2019b	10
2020a	5.1
2021b	7.05
2022a	4.42
2022b	5
2023a	3.41
2023b	3.58

iii. Pittsburgh Water will provide information regarding actual replacement costs including quarterly and cumulative year-to-date data

Actual replacement costs for the 4th quarter of 2024 are \$1,727,858. These costs do not include service lines replaced as part of the Small Diameter Water Main Replacement Contracts.

The Compliance Plan requirements associated with Pittsburgh Water's lead remediation program were addressed through the Tariff and Compliance Plan Settlement document.

4. Infrastructure

Infrastructure activities are those that involve capital planning, investment, and installation/renewal in the water, wastewater, and stormwater systems. This includes distribution system master planning, meter installations, capital project cost/projection effectiveness, record keeping, pressure assurance, and design/construction standards updates.

a. Master List of Stipulation Requirements

The Master List of Stipulation Requirements was developed in July 2019 to respond to feedback from the Parties, and to codify additional reporting requirements for Pittsburgh Water. Table 5 highlights these additional reporting requirements.

Table 5: Infrastructure Requirements from the Master List of Stipulations

Task	Timeline (if specified in the Master List of Stipulations)	Progress to Date
Projected Expenditures	Quarterly	Located in Appendix L
LTIP – Materials, Valves, Prioritization	Quarterly	Pittsburgh Water is continually updating GIS mapping and attribute information to facilitate reporting on this data.

i. Projected Expenditures

Projected expenditures for open and active projects and details about funding sources are included in Appendix L in the document.

ii. LTIP – Materials Report, Valves, Prioritization

Material, size, and other key attributes of the primary water and sewer assets continue to be updated. As the data becomes available and Pittsburgh Water's GIS is updated, Pittsburgh Water will provide a comprehensive materials report and updated information regarding types and sizes of valves in future Compliance Plan Progress Reports. Pittsburgh Water will also provide additional information regarding the prioritization of valve and main replacements and will notify the parties when its Computerized Maintenance Management System (CMMS) project is implemented.

b. Compliance Plan Supplement Requirements

The Compliance Plan Supplement addresses topics including development of a distribution system master plan, a district metering program, the Highland Membrane Filtration Plant (HMFP)/Highland No. 1 Reservoir, and the cost effectiveness of Pittsburgh Water's projections, as shown in Table 6. This section lays out each of the requirements that Pittsburgh Water has committed to meeting, as well as a progress update and/or plan for achieving the PUC's standards. Below the table is a narrative discussion of each area.

Table 6: Compliance Plan Supplement Requirements – Infrastructure

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Develop and implement district metering program.	2020	A draft district metering plan was provided as part of the Water Distribution System Master Plan. The first phase is to rehabilitate metering at the pump stations. Pump Station metering equipment has been installed. Flow transmitters are currently being calibrated annually by a third party.
Develop a plan to track cost effectiveness and cost reporting relative to projections.	With future filings	Pittsburgh Water is monitoring several metrics related to the effectiveness of its cost projections through its eBuilder project management software.
Update on Orthophosphate Program	Quarterly	On Target

i. Develop and implement district metering program

Pittsburgh Water currently has operational flow meters at the following locations:

- Raw Water Meter: Ross Pump Station Discharge
- Treated Water Meters: Individual filter gallery effluent flow meters
- System Delivery Flow Meters:
 - Aspinwall Pump Station
 - Bruecken Pump Station Highland Reservoir No. 2 (Rising Mains 3 and 4)
 - Fox Chapel Pump Station
- District Meters
 - Highland Reservoir No. 1 60-inch Transmission Line (Meter Number MFP-1)
 - Highland Reservoir No. 1 30-inch Transmission Line (Meter Number MFP-2)
 - Lincoln Pump Station
- System Delivery Flow Meters
 - Bruecken Pump Station Highland Reservoir No. 1 (Rising Mains 1 and 2) - These meters were not able to be reinstated due to issues with the startup of the Membrane Filtration Plant. This meter is still not reinstalled, until Rising Main 1 can be taken out of service.
- Pump Station Flow Meters

Additional flow meters will be installed as part of the rehabilitation of the booster chlorination facilities at the discharge of the tanks and reservoirs. Pump Station flow meters will be replaced as part of rehabilitation of the pump stations planned in the 2022 – 2026 Capital Improvement Plan (see Appendix L).

ii. Develop a plan to track cost effectiveness and cost reporting relative to projections

Pittsburgh Water has begun to monitor several metrics related to cost effectiveness and cost reporting relative to its projected capital spending. It is using the eBuilder project management software to track project costs and progress, which allows advanced calculation of performance metrics. Currently, Pittsburgh Water is tracking project total costs and cash flow relative to budget. Pittsburgh Water is working on defining additional metrics such as Estimated Cost at Completion (ECAC), schedule variance, change order volume and percentage of total project, etc., and has scheduled a preliminary internal review to receive, review, and address comments. A list of metrics being considered for tracking, as was requested by the PUC and other interested parties is contained in Appendix C.

iii. Update on Orthophosphate Program

Construction of four new Orthophosphate Addition Facilities (one each at both the Aspinwall and Bruecken Pump Stations and two at Highland Park Reservoir No. 1) was completed in April 2019. Start-up of the facilities were taken in phases: Bruecken PS was April 1, Aspinwall PS was April 15 and Highland 1 Facilities began April 29, 2019. Full orthophosphate application is ongoing, and multiple rounds of water quality testing has shown water quality improvements at customers with lead service lines.

The project associated with the construction of the Orthophosphate Addition Facilities is the “Corrosion Control Chemical Storage and Feed Systems” Project, Pittsburgh Water Project No. 2017-322-107-0. This project was extended in July 2019 to permit the design and construction of modified orthophosphate chemical storage containers at both the Aspinwall Pump Station and Bruecken Pump Station, converting from temporary soft walled poly totes to permanent double-wall storage tanks with exterior fill stations and associated structural improvements (interior and exterior). This modification is typical of the design implemented at the two Highland No. 1 Orthophosphate Storage Sites and is completed. This modification was requested by Pittsburgh Water Operations to reduce concerns associated with handling and transporting the chemical during refilling and replacing totes at these sites. Pittsburgh Water received Public Water Supply Construction permit dated April 7, 2022. The two tanks at each site have been installed, and the Aspinwall PS tanks have been feeding since July 19, 2022. Once the Highland Reservoir 2 was back online, the Bruecken tanks were able to be tested. An operating permit for the Bruecken tanks was received on January 9, 2023. This project is now in closeout.

c. Compliance Plan Requirements

For Pittsburgh Water’s infrastructure area, the Compliance Plan addresses topics including records management, meeting pressure requirements, metering municipal and flat rate customers, metering all sources of supply, ensuring appropriately sized mains and operable valves, and incorporating the PUC’s design requirements into a formalized design manual (Table 7). Compliance tasks associated with PUC Section 65.8 (Meters – Change-outs) and 65.17 (Standards of Design – Flushing Program) have already been addressed in the Compliance Plan Supplement Requirements. As such, this section lays out each of the remaining infrastructure requirements for Pittsburgh Water, as well as a progress update and/or plan for achieving the PUC’s standards.

Table 7: Compliance Plan Requirements – Infrastructure

Task	Timeline (if specified in the Compliance Plan)	Progress to Date
65.4 Update GIS with main installation date and material.	On-going	Pittsburgh Water is continuing to update GIS attribute information using historic record drawings. All water and sewer mains currently mapped in the GIS data layers have been manually reviewed, and installation dates have been populated where available.
65.4 Update GIS with hydrant and valve status.	On-going	On-going
65.4 Organize, store, and input current records backlog into GIS.	On-going	On-going
65.17 Continue to work on replacing all 4" water mains.	On-going	On Target, to be addressed by Master Plan and Small Diameter Water Main Replacement Program.

65.17 Incorporate the PUC's design requirements, specifications, and standard details into a formalized design manual.	2019 and 2020	Formalized design manual in progress

i. 65.4 - Records

Section 65.4 of Chapter 65 requires that utilities must keep complete maps, plans, or records of their entire distribution systems showing the size, character, and location of each main, street valve, and service line. In meeting this obligation, Pittsburgh Water Document Management team has developed and introduced policies and procedures for records digitization, standardized indexing, long term maintenance, and efficient retrieval. These policies are now in effect and supported by the ongoing use of a digital document management system provided by Docuware.

Within GIS, attributes such as main installation date, diameter, material, valve location, and hydrant details are being populated on an ongoing basis as record documents continue to be reviewed. Pittsburgh Water has made significant progress in enabling hyperlinks to the digitized record document file locations established in Docuware. Work will continue indefinitely as new record sets are identified and construction projects are completed. Associated metrics are shown in Appendix C.

ii. 65.17 – Standards of Design

Pittsburgh Water has updated its standard details and specifications and based on the PUC's standards of design and plans to produce a formalized design manual.

5. Finance, Contractual, and Other Issues

Pittsburgh Water has already made considerable effort to ensure compliance regarding financial, contractual, and other issues, and many of the initiatives agreed to in the Tariff Settlement, Compliance Plan or the Compliance Plan Supplement have already been completed. The following sections focus on identifying the remaining requirements and highlighting Pittsburgh Water's progress in each of these areas.

a. Compliance Plan Supplement Requirements

The Compliance Plan Supplement addresses topics including negotiations with the City of Pittsburgh and ALCOSAN, rates for public fire hydrant service, flat rates for unmetered customers, the discount for Pennsylvania American Water customers, as shown in Table 8. This section lays out each of the requirements that Pittsburgh Water has committed to meeting, as well as a progress update and/or plan for achieving the PUC's standards. Below the table is a narrative discussion of each area. Tasks that were completed and reported on in previous updates have been moved to Appendix A.

Table 8: Compliance Plan Supplement Requirements – Finance, Contractual, and Other Issues

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Investigate the allocation of flows to ALCOSAN and other municipalities to determine the feasibility of measuring stormwater separately from wastewater.		On-going

Evaluate the potential ways to address Pittsburgh Water's contract with ALCOSAN, including renegotiation of the contract.		On-going

i. Investigate the allocation of flows to ALCOSAN and other municipalities to determine the feasibility of measuring stormwater separately from wastewater

Approximately 70% of Pittsburgh Water's collection system is combined, which prevents the Authority from accurately measuring stormwater and wastewater separately. However, Pittsburgh Water is investigating the allocation of flows to ALCOSAN and studying the value, maintenance requirements, and use ratios for its shared conveyance system.

ii. Evaluate the potential ways to address Pittsburgh Water's contract with ALCOSAN, including renegotiation of the contract

Pittsburgh Water has initiated evaluation of its contract with ALCOSAN and is in the process of identifying opportunities to address existing issues.

b. Compliance Plan Requirements

For Pittsburgh Water's financial, contractual, and other areas, the Compliance Plan addresses topics including the system of accounts, annual financial reporting requirements, a workforce diversity policy, and emergency response planning and self-certification requirements, as shown in Table 9. This section lays out each of the remaining financial, contractual, and other requirements for Pittsburgh Water, as well as a progress update and/or plan for achieving the PUC's standards.

Table 9: Compliance Plan Requirements – Finance, Contractual, and Other Issues

Task	Timeline (if specified in the Compliance Plan)	Progress to Date
73.5 Service Life Study Report	June 1, 2025	On Target
Capital Lease Agreement	2025	On Target

i. 73.5 - Service Life Study Report

Section 73.5 stipulates that public utilities with intrastate gross revenues in excess of \$20 million per year shall file a service life study report with the Office of Special Assistants every five years. Pittsburgh Water met this requirement by filing the Service Life Study Report in June 2020. The next service life study report will be due June 1, 2025.

ii. Capital Lease Agreement

Pittsburgh Water plans to purchase the system for \$1 when eligible in 2025, unless a new arrangement is negotiated and approved by the Commission in advance of that timeline.

6. Appendix A – Completed Compliance Plan Requirements

Task	Timeline (if specified in the Compliance Plan Supplement)	Progress to Date
Operations		
Install a new meter test station for testing 5/8" to 2" meters.	April 2019	Completed
Develop a leak detection program and restructure staff to add more personnel for leak detection.	April 2019	Completed
Hire a private contractor to test meters that are 3" and above on site or at their facility.		Completed. The PWSA Board of Directors awarded this contract to Vanguard on April 26, 2019.
65.8 Develop criteria for when to test meters that have been pulled from service, prior to disposal.	Within 6 months of Compliance Plan Filing	Completed
61.17 Implement a flushing program	2020	Completed. Flushing program has been implemented. Tracking of hydrants flushed and inspected in Spry Mobile.
67.1 Develop a SOP to notify the Commission during periods of unscheduled service interruptions	Within 6 months of Compliance Plan Filing	Completed
Record water used for flushing after main breaks by having crews record the time flushed and flow gauges to record water used.	October 2019	Completed. Recording water lost during the leak has been developed and is in Spry Mobile. Water usage is also being recorded for flushing hydrants during normal operations.
Track the 20 Operating Metrics identified in I&E St. No. 4, p. 5		Completed. PWSA is tracking the 20 Operating Metrics identified in I&E St. No 4, p. 5. Results of these operating metrics will be shown in Appendix C as data is available.
Develop a plan to track age of customer meters and to test and/or replace meters over 20 years old.		Completed. Plan has been developed; Customer Service is currently tracking installation dates.
65.7 Hire a contractor to assist with inspecting, sizing, and installing meters for municipal and unmetered properties.	2024	Completed. Contractor was hired to assist with inspecting, sizing, and installing meters.
65.11 Develop SOPs, including communications protocols, for periods of mandatory conservation.	2020	Completed. Drought Contingency Plan developed in August 2021
65.8 Add additional plumbers to address 50,000 meters that are overdue for testing/change-out.	Immediately	Completed. Additional plumbers have been hired.
Restructure to support delivery of formal valve operation, flushing, and leak detection programs	April 2019	PWSA has completed its restructuring and met valve inspection and hydrant inspection goals.
65.8 Develop a program to test 10-25% of commercial meters annually.	2022	Completed
69.16 Update Emergency Response Plan SOPs	Within 6 months of Compliance Plan Filing	On-going

Customer Service		
Conduct a regular review of informal complaint information to determine complaint trends and whether there is a need to implement additional or new internal training policies.		PWSA is regularly reviewing informal complaints to determine trends and the need for further training.
Track whether customer complaints are related to water, sewer, or stormwater.	Monthly	Completed
Suspend the use of Jordan Tax Service, Inc.	With the Commission's final order approving the Settlement	Completed
Track the following metrics: Abandon %, ACD handling time, average speed of answer, CSR attendance, Customer satisfaction, service level % (Appendix E).	Monthly	Completed
Collect and report on requested billing data (Appendix E).		Completed. Data appears in Appendix E of this report.
Provide interested parties and the Commission's Bureau of Consumer Services with a draft of the bill changes for feedback and recommendations.		Completed. The bill draft was provided on March 29, 2019. Responses were provided in April 2019 by OCA, I&E, and Pittsburgh UNITED.
Inform customers of the payment arrangement terms, based on the consumer's ability to pay upon contact with the customer, and offer payment arrangements as permitted by Chapter 14.		Completed. Informal practices in this area have been formalized to demonstrate compliance.
Form a Low-Income Assistance Advisory Committee.	Meetings should occur at least quarterly	Completed
Revise Bill Discount Program rate to provide for a 75% discount on the minimum water and/or wastewater charge for customers with income at or below 150% of the federal poverty level.		Completed, and effective as of March 1, 2019.
56.11-56.25 and 56.261-56.275 - Complete bill redesign project.		Completed as of June 3, 2020
Submit a detailed Plan that outlines the program parameters for each of its low-income assistance programs.	Next Base Rate Proceeding	Completed as of the September 23, 2019 LIAAC meeting
PWSA Affordability Analysis		Completed as of December 15, 2019
Track the following metrics: Abandon %, ACD handling time, average speed of answer, CSR attendance, Customer satisfaction, service level % (Appendix E).	Monthly	Completed
Expand the use of the SpryPoint Mobile app.		Completed as of go live on January 14, 2020
PWSA Affordability Analysis		Completed as of December 15, 2019
Suspend the use of Jordan Tax Service, Inc.	With the Commission's final order approving the Settlement	Completed as of June 30, 2019

Track whether customer complaints are related to water, sewer, or stormwater.	Monthly	Completed
Expand the use of SpryMobile app		Completed as of go-live January 14, 2020
Track the following metrics: Abandon %, ACD handling time, average speed of answer, CSR attendance Customer satisfaction, service level % (Appendix D).	Monthly	Completed. Data is in Appendix E of this report
56.11-56.25 and 56.261-56.275 - Complete bill redesign project.		Completed as of June 3, 2020
BCS input on PWSA CAP Program	Next base rate case	Rate case settlement filed on September 30, 2020; Commission-approved rates went into effect at PWSA on January 14, 2021, including numerous enhancements to the customer assistance programs.
Commission development of a "Model Water CAP Design"		Commission-approved rates went into effect at PWSA on January 14, 2021, including numerous enhancements to the customer assistance programs.
Provide water meters for each DPW division and have them installed on hydrants	October 2019	Completed. PWSA assigned 12 meters to DPW to track water usage.
Conduct a regular review of informal complaint information to determine complaint trends and whether there is a need to implement additional or new internal training policies.		PWSA is regularly reviewing informal complaints to determine trends and is responding with process adjustments and/or further training. Based on BCS feedback, PWSA kicked-off a Call Quality Initiative in October 2020, including increased live monitoring, coaching of staff, and the implementation of after call surveys effective December 18, 2020. After call customer survey data for the first quarter of 2021 was provided to the Commission as an exhibit to the Stage 2 Compliance Plan filing on April 9, 2021.
Collect and report on requested billing data (Appendix D)	Quarterly	Reporting found in Appendix D.
Fund BDP program using revenues collected from approved rates in the tariff filing.		On-going
Customer outreach	On-going	PWSA participates in upwards of 100 community meetings annually. The PGH2O Cares team was approved by the Commission in PWSA's 2020 rate case and was launched with enhanced outreach efforts as of February 15, 2021. Please refer to the presentations to the Low Income Assistance Advisory Committee (LIAAC). The Cares team has participated in virtual community outreach meetings, has garnered the ability to enroll customers into the assistance programs, and has increased customer enrollment numbers in the Bill Discount Program (BDP).

Commitments from motion to move issues from Stage 1 to Stage 2	On-going	On-Target (Moved to Stage 2); "Stage 2 Compliance Plan: Chapters 14 & 56, DSLPA and Collections" was filed with the Commission on April 9, 2021; and two all-party workshops were held in June 2021. The Commission filed their Report and Directed Questions on August 5, 2021. The parties worked with the ALJ to develop a litigation schedule, and PWSA's Direct Testimony was filed Arial Narrow on October 15, 2021. PWSA's Rebuttal Testimony was filed on January 21, 2022. On March 14, 2022, the parties filed a Joint Petition for Settlement Stage 2 Customer Service and Collections Issues. The Recommended Decision from the Administrative Law Judge is due on May 25, 2022. On May 18, 2022, ALJ's Vero and Chiodo issued a Recommended Decision to adopt the Settlement without modification. On July 14, 2022, the Commission voted to adopt the Recommended Decision of ALJ's Vero and Chiodo. Customer Service is working to execute the commitments of the Settlement, which are due 135 days from the Order date. As of November 14, 2022, all letters, notices, training documents, and procedures were updated by Customer Service management in accordance with the Settlement. The parties are reviewing the changes to meet a Commission filing deadline of February 11, 2023. All party feedback was received by March 15, 2023 and was incorporated into the documents. Customer Service management is working to update the documents on PWSA's website and Customer Advantage portal and to train staff on the changes. These revised documents are also posted on the Customer Service department page in PWSA's intranet on SharePoint. PWSA completed all requirements as prescribed in Compliance Plan Stage 2 effective June 30, 2023.
56.94 and 56.336 – Interim personal contact procedures immediately prior to termination	Quarterly Progress Reports	On-Target (Moved to Stage 2); "Stage 2 Compliance Plan: Chapters 14 & 56, DSLPA and Collections" was filed with the Commission on April 9, 2021. An updated <i>draft</i> RFP, including revisions based on feedback from OCA, was delivered to all parties for review on June 29, 2021. The final RFP was issued by PWSA on August 5, 2021. PWSA is in contract negotiations with the sole, responsible bidder. An agreement with Cosmos Technologies, Inc. is in place, and Cosmos has been performing personal contact at the time of termination since December 7, 2021. The contract with Cosmos was terminated in Q4 of 2022. PWSA Field Technicians were trained to perform this work in 2023.
Personal Contact Attempts	Quarterly	139 in Q3 2023
Terminations Completed	Quarterly	84 in Q3 2023
Terminations Placed on Hold Due to Personal Contact	Quarterly	38 in Q3 2023
Terminations Not Completed Due to Curb Box Issues	Quarterly	12 in Q3 2023

Work with the parties to determine an appropriate informal complaint tracking information review process.	2023	On-Target (Moved to Stage 2); "Stage 2 Compliance Plan: Chapters 14 & 56, DSLPA and Collections" was filed with the Commission on April 9, 2021; and two all-party workshops were held in June 2021. The Commission filed their Report and Directed Questions on August 5, 2021. The parties worked with the ALJ to develop a litigation schedule, and PWSA's Direct Testimony was filed on October 15, 2021. PWSA's Rebuttal Testimony was filed on January 21, 2022. On March 14, 2022, the parties filed a Joint Petition for Settlement Stage 2 Customer Service and Collections Issues. On May 18, 2022, Administrative Law Judge's Vero and Chiodo issued a Recommended Decision to adopt the Settlement without modification. On July 14, 2022, the Commission voted to adopt the Recommended Decision of ALJ's Vero and Chiodo. Customer Service is working to execute the commitments of the Settlement, which are due 135 days from the Order date. As of November 14, 2022, all letters, notices, training documents, and procedures were updated by Customer Service management in accordance with the Settlement. The parties are reviewing the changes to meet a Commission filing deadline of February 11, 2023. All party feedback was received by March 15, 2023 and was incorporated into the documents. Customer Service management is working to update the documents on PWSA's website and Customer Advantage portal and to train staff on the changes. These revised documents are also posted on the Customer Service department page in PWSA's intranet on SharePoint. PWSA completed all requirements as prescribed in Compliance Plan Stage 2 effective June 30, 2023.
Make the changes identified in Paragraphs III.1.1 through III.10 of the Settlement consistent with the timeframes established by the final order in this proceeding and provide a copy of the changes to the LIAAC.	2023	The following are complete with a portion of (c) on-going: • Improved outreach and messaging for programs (a); • Launched a social media campaign (b); • Designed a comprehensive arrearage forgiveness component to address arrears at the time of enrollment, scheduled to launch with the SAP go-live in August 2022 (c); • Assessed applicable data (d); • PWSA launched two campaigns to fund the Hardship Grant in December 2020; an internal campaign to its employees, and an external campaign to its customers (e); • Exploring issues related to the structure of the Hardship Grant program (f); • Reviewed changes to PWSA customer service policies and procedures (g); and • Funding BDP with separate budgets for water and wastewater (h).

56.81-56.118 and 56.321-56.358 - Meet plain language requirements for shut-off notices. (Now moved to Stage 2 of the Compliance Plan.)	2023	On Target (Moved to Stage 2); "Stage 2 Compliance Plan: Chapters 14 & 56, DSLPA and Collections" was filed with the Commission on April 9, 2021; and two all party workshops were held in June 2021. The Commission filed their Report and Directed Questions on August 5, 2021. The parties worked with the ALJ to develop a litigation schedule, and PWSA's Direct Testimony was filed on October 15, 2021. PWSA's Rebuttal Testimony was filed on January 21, 2022. On March 14, 2022, the parties filed a Joint Petition for Settlement Stage 2 Customer Service and Collections Issues. On May 18, 2022, ALJ's Vero and Chiodo issued a Recommended Decision to adopt the Settlement without modification. On July 14, 2022, the Commission voted to adopt the Recommended Decision of ALJ's Vero and Chiodo. Customer Service is working to execute the commitments of the Settlement, which are due 135 days from the Order date. As of November 14, 2022, all letters, notices, training documents, and procedures were updated by Customer Service management in accordance with the Settlement. The parties are reviewing the changes to meet a Commission filing deadline of February 11, 2023. All party feedback was received by March 15, 2023 and was incorporated into the documents. Customer Service management is working to update the documents on PWSA's website and Customer Advantage portal and to train staff on the changes. These revised documents are also posted on the Customer Service department page in PWSA's intranet on SharePoint. PWSA completed all requirements as prescribed in Compliance Plan Stage 2 effective June 30, 2023.
Infrastructure		
65.14 Reestablish operability of meters at each source of supply and install an additional meter at Fox Chapel Station.	2019	Completed
Develop a Water Distribution System Master Plan to address master metering, non-revenue water, and include an AWWA Water Audit based on available data	2019-2020	Final Report was completed in February 2020
LTIIP – Customer Owned Lead Service Lines		Completed
LTIIP – Workforce Development		Completed
LTIIP – Construction Coordination with Other Utilities and Municipalities		Completed
LTIIP – Distribution System Improvement Charge (DSIC)	Next base rate case	Completed on January 14, 2021 at 5%.
A cost/benefit analysis comparing continuing to operate the HMFP instead of covering and placing a physical barrier around Highland No. 1 Reservoir.	With the next base rate filing	Completed
Selection Processes and Existing Contractors	Annually	Completed in June 2020
Provide a detailed cost breakdown of actual and projected operating and capital costs on a calendar year basis incurred and estimated to be incurred to operate the HMFP.	Starting within 30 days of the signature date of the Settlement and quarterly thereafter	Completed. See Appendix G.

65.7 Secure a contractor to assist with inspection, sizing, and installation of meters and associated equipment for municipal buildings and flat rate customers.	2024	Completed. Contractor has been secured. As of Sept 2021, there are 9 municipal accounts to be metered.
Construction Project Tracking and Evaluation	November 12, 2019	PWSA has developed and validated a list of proposed metrics
65.18 Complete the development of a comprehensive flushing program.	Starts in 2018	Completed. PWSA has developed a comprehensive flushing program
65.18 Review the existing system to ensure ample valves.	Starts in 2018	Completed
65.18 Increase the number of valves inspected and operated per year.	2019	PWSA developed a valve inspection program and is tracking the valves operated in Spry Mobile.
65.4 Develop a series of SOPs for records filing, records updates in GIS, and records retrieval.	Within 6 months	Completed
65.6 Develop an SOP to address areas of high pressure.		Addressed by Master Plan. SOP has been developed.
Lead		
Form a Community Lead Response Advisory Committee (CLRAC).	Initiated within 30 days of Settlement Agreement	The first quarterly meeting was held January 8, 2019, and subsequent meetings occurred on February 6, 2019, March 4, 2019, April 24, 2019, June 3, 2019, August 12, 2019, September 24, 2019, and December 10, 2019. Meetings have occurred quarterly in March, June, September and December each year since.
Make best efforts to send a letter notifying the resident and property owner of the results of a curb box inspection.	Within 90 days of the completion of the inspection, but no later than 120 days	Completed
Make all historical service line records available for public viewing on website.	Within 90 days of effective date of rates	Completed in early January 2019 and updated monthly since.
Analyze per-line costs for replacing lead service lines.	Within 90 days of effective date of rates	This information was presented to CLRAC on April 24, 2019.
Develop an outreach program to notify customers of their eligibility for free filters, including at a minimum, a letter or bill insert.	Within 90 days of effective date of rates	Completed
Make best efforts to send a letter notifying the resident and property owner of the results of a curb box inspection.	Within 90 days of the completion of the inspection, but no later than 120 days	Completed
Continue to make a good-faith effort to secure an agreement with PennVEST enabling it to obtain customer consent for private-side lead service line replacements at any point before PWSA completes lead service line replacements for the work order covering the customer's property.	For 2019 program	Approval obtained from PENNVEST.
65.6 Install additional monitoring stations for areas of low pressure.	by 2020	Completed
When PWSA started testing for lead levels.	N/A	1998
Provide quarterly updates regarding the progress of the orthophosphate program.	Quarterly	Please see the report submitted to PA DEP with these details included in Appendix H.
Finance, Contractual, and Other Issues		
Formally notify the City of Pittsburgh of the record and outcome of this case, that the Cooperation Agreement		Completed

is being reviewed by the PUC in the Compliance Filing proceeding, and that PWSA's LTIP Filing is pending with the Commission.		
Serve the City with a copy of Final Commission Orders and file a certificate of service with the Commission verifying that such service was made.	Issued in this matter within 10 days of their issuance	Completed
Investigate the City of Pittsburgh discount for PAWC water customers as originated under the terms of the 1973 Agreement between the City of Pittsburgh and Western Pennsylvania Water Company.	Next Base Rate Case	The analysis has been completed and the subsidy was eliminated on December 31, 2019.
69.16 Update emergency response plan with updated SOPs.	October 31, 2019	Completed
101.4 File a Self-Certification Form	February 28, 2020	Completed
Residential Fire Protection and Standby Charges	Next Base Rate Case	Completed. Residential customers who have been charged private fire protection have been identified and have been credited for those payments.
Investigate the City of Pittsburgh discount for PAWC water customers as originated under the terms of the 1973 Agreement between the City of Pittsburgh and Western Pennsylvania Water Company		Completed
101.3 – Plan Requirements		> Physical security plan: 12/31/2019 > Cyber security plan: Approved > Emergency response plan – 10/31/2019 > Business continuity plan – 10/31/2019
Renegotiate the Cooperation Agreement with the City of Pittsburgh.	Quarterly Updates, beginning 4/30	Cooperation agreement signed and filed with the PUC.
Analyze the feasibility of assessing a flat rate to the unmetered customers.	Next Base Rate Case	Completed on January 14, 2021.
69.801 Develop a formal policy to improve diversity in the workforce.	By the end of 2019	Completed
Ownership of Wastewater Laterals	Final Report Submission, January 15, 2021	Report submitted to the parties on January 15, 2021.
65.19 Filing of Annual Financial Reports	2019	On-going
Consider the timeframe for developing a separate rate for public fire hydrant service.	Next Base Rate Case	Completed
Consider assessing the City of Pittsburgh a separate rate for public fire hydrant service.	Next Base Rate Case	Completed
Propose a plan or method for developing separate cost of service studies for wastewater and stormwater for the development of stormwater rates.		Completed
Bulk Water: Sales for Resale	Within 120 days of the Final Commission Order	Completed
Bulk Wastewater Conveyance Agreements	Within 120 days of the Final Commission Order	Completed
Capital Investment Plan Report	2020	Filed on January 26, 2022
73.3 Annual Depreciation Reports	April 1, 2024	Completed. Depreciation Reports will continue to be filed annually.

65.16 System of Accounts	2021	Completed
Consider the proposal for a flat rate for both water and wastewater for all unmetered and unbilled municipal and government properties or buildings served by PWSA.		Completed

7. Appendix B – Title 52 Sections where PWSA Believes it is Currently in Compliance

Section	Subchapter	Currently in Compliance
56.1	Preliminary Provisions for Utilities and Customers Subject to Chapter 14 of the Public Utility Code	X
56.31 – 56.58	Credit and Deposits Standards Policy (Water)	X
56.71 – 56.72	Interruption and Discontinuance of Service (Water)	X
56.81-56.118	Include information in Spanish directing Spanish-speaking customers to numbers for translation assistance for shut-offs (Water)	X
56.14 – 56.174	Disputes; Termination Disputes; Informal and Formal Complaints (Water)	X
56.191	Restoration of Service (Water)	X
56.251 – 56.252	Provisions for Wastewater, Steam Heat and Small Natural Gas Distribution Utilities and Victims of Domestic Violence with a Protection from Abuse Order	X
56.281 – 56.307	Credit and Deposits Standards Policy (Wastewater)	X
56.311 – 56.312	Interruption and Discontinuance of Service (Wastewater)	X
56.371 – 56.411	Disputes; Termination Disputes; Informal and Formal Complaints (Wastewater)	X
56.321-56.358	Include information in Spanish directing Spanish-speaking customers to numbers for translation assistance for shut-offs (Wastewater)	X
56.421 – 56.422	Restoration of Service (Wastewater)	X
56.441	Informal Complaints (Wastewater)	X
65.3.	Complaints.	X
65.5.	Interruptions of service.	X
65.9.	Adjustment of bills for meter error.	X
65.10.	Disputed bills.	X
65.12.	Notice of desire to have service discontinued.	X
65.13.	Temporary service.	X
65.14.	Reestablish operability of meters at each source of supply and install an additional meter at Fox Chapel Station.	X
65.15.	Refusal to serve applicants.	X
69.51 – 69.85	Inclusion of State Taxes and Gross Receipts Taxes in Base Rates	X
69.169	Policy Statement Interpreting Terms Included In 66 Pa.C.S. § 1326	X
69.261 – 69.267	Policy Statement on Customer Assistance Programs	X
69.351	Implementation of SFAS 106	X
73.7.	Capital investment plan report	X
121.3.	LTIIP.	X
121.4.	Filing and Commission review procedures.	X

8. Appendix C – 20 Operating Metrics Identified in I&E St. No. 4, p. 5

Metric	Q4 2024
Pipeline Materials (% of pipe segments with materials listed in GIS)	Water: 40% 28,738 out of 71,939 water mains have material populated Sewer: 94% (44,483 out of 47,137 sewer mains have material populated)
Pipeline Age (% of pipe segments with age listed in GIS)	Water and Sewer: Not a field in GIS at this time, but can be calculated using installation date, so same % as below could be provided
Leak History per Mile (number of leaks per 100 miles of pipe per year) *	58.01 leaks per 100 miles
Pipeline Pressures (distribution pressure devices recording pressure outside minimum and maximum for more than 10 minutes)	There are 61 Loggers throughout our system monitoring pipeline pressures.
Installation Year (% of pipe segments with installation year listed in GIS)	Water: 93% (66,564 out of 71,939 water mains have date installed populated) Sewer: 89% (42,011 out of 47,137 sewer mains have a date installed populated)
Pipeline Diameter (% of pipe segments with pipeline diameter listed in GIS)	Water: 100% of active water mains have a diameter populated. Sewer: 100% of active sewer mains have a diameter populated (includes some assumed inlet lateral diameters).
Pipeline Mileage (miles of active and retired pipe in the distribution system)	Water: Active Water Mains: 949.8 miles; Abandoned Water Mains: 207.4 miles mapped in GIS (includes abandoned water mains layer originally exported from CAD prior to GIS conversion) Active Sewer Mains: 1,242.7 miles; Abandoned Sewer Mains: 63.6 miles mapped in GIS
Addition/Retirements of Plant (GIS or CMMS field denoting active or inactive assets)	TBD
Materials and Supplies (Value of materials and supplies on-hand)	\$2,702,000 – 2023 Inventory Value
Leak Repair (number of leaks repaired – distribution main)	557 in 2024
Leak Repair (number of leaks repaired – service line)	111 in 2024
Pipeline Damages from Excavation (GIS or CMMS field denoting suspected cause of leak)	105 instances in 2024
Plant in Service (Asset inventory)	TBD
Corrosion Protection Programs (pipe segments protected by cathodic protection)	TBD
Lead Levels (Lead and copper action level, current period)	3.58 ppb

Miles of Lead Pipeline	PWSA reports lead service lines in number of service lines, not by mile
Cost of Lead Pipeline Replacement for PWSA Work Crews (average pipeline replacement cost per period)	TBD
Cost of Lead Pipeline Replacement for PWSA Contractors (average pipeline replacement cost per period)	Based on our 2019 LSLR Program costs, the average public side LSLR cost \$5,882 and the average private side LSLR cost \$10,682.
Sanitary Flow Reduction (Number of reportable SSOs per year)	2
Sanitary Flow Reduction (Volume of reportable SSOs per year)	0.1338
Miles of Combined Sewer Separation (per year)	No separation projects were completed in Q4 of 2024
Unaccounted for Water (% of finished water that is unaccounted for)	66.67%
Non-revenue Water (% of finished water that is non-revenue)	68.15%

*Leaks will be geotagged to the segments in which they occur.

Appendix D – Low Income Customer Billing Metrics

Billing Metrics	July 2024		October 2024		January 2025	
Billed revenue	\$82,813,069		\$95,611,933		\$85,601,948	
Receipts actually collected	\$78,820,327		\$92,213,565		\$85,735,179	
Number of accounts in arrears	17,745		21,381		21,331	
Dollars of arrears	\$21,339,012		\$25,075,490		\$25,644,855	
Number of accounts disconnected for nonpayment	98		116		146	
Number of accounts receiving a notice of disconnection for nonpayment	2,929*		2,754		1,891	
Number of bill discount participants who entered the bill discount program with unpaid account balances	676		568		537	
Dollars of unpaid account balances for bill discount program participants at the time those participants entered the bill discount program	\$997,849		\$729,403		\$594,181	
Number of bill discount participants by agreed-upon poverty ranges	15204	0.00%	15224	0.00%	15206	0.00%
	15206	0.00%	15221	0.00%	15221	0.00%
	15212	0.00%	15224	0.00%	15226	0.00%
	15206	0.00%	15204	0.00%	15210	0.00%
	15210	0.00%	15221	0.00%	15226	0.00%
	15219	0.00%	15212	0.00%	15214	0.00%
	15221	0.00%	15220	0.00%	15210	0.00%
	15207	0.00%	15210	0.00%	15219	0.00%
	15212	0.00%	15219	0.00%	15207	0.00%
	15219	0.00%	15210	0.00%	15204	0.00%
	15214	0.00%	15208	0.00%	15205	0.00%
	15220	0.00%	15210	0.00%	15212	0.00%
	15212	0.00%	15206	0.00%	15219	0.00%
	15214	0.00%	15211	0.00%	15214	0.00%
	15206	0.00%	15211	0.00%	15208	0.00%
	15206	0.00%	15210	0.00%	15210	0.00%
	15210	0.00%	15212	0.00%	15210	0.00%
	15212	0.00%	15226	0.00%	15213	0.00%
	15214	0.00%	15208	0.00%	15204	0.00%
	15212	0.00%	15219	0.00%	15206	0.00%
	15212	0.00%	15213	0.00%	15210	0.00%
	15212	0.00%	15212	0.00%	15213	0.00%

	15210	0.00%	15219	0.00%	15235	0.00%
	15204	0.00%	15211	0.00%	15211	0.00%
	15204	0.00%	15211	0.00%	15210	0.00%
	15210	0.00%	15204	0.00%	15204	0.00%
	15204	0.00%	15214	0.00%	15210	0.00%
	15212	0.00%	15210	0.00%	15203	0.00%
	15210	0.00%	15213	0.00%	15205	0.00%
	15217	0.00%	15212	0.00%	15233	0.00%
	15212	0.00%	15226	0.00%	15219	0.00%
	15204	0.00%	15217	0.00%	15221	0.00%
	15227	0.00%	15227	0.00%	15210	0.00%
	15201	0.00%	15207	0.00%	15213	0.00%
	15210	0.00%	15214	0.00%	15206	0.00%
	15212	0.00%	15208	0.00%	15204	0.00%
	15203	0.00%	15206	0.00%	15212	0.00%
	15226	0.00%	15214	0.00%	15206	0.00%
	15208	0.00%	15217	0.00%	15206	0.00%
	15210	0.00%	15208	0.00%	15203	0.00%
	15224	0.00%	15234	0.00%	15233	0.00%
	15206	0.00%	15214	0.00%	15221	0.00%
	15220	0.00%	15211	0.00%	15216	0.00%
	15212	0.00%	15212	0.00%	15214	0.00%
	15208	0.00%	15210	0.00%	15210	0.00%
	15207	0.00%	15208	0.00%	15216	0.00%
	15204	0.00%	15211	0.00%	15210	0.00%
	15210	0.00%	15210	0.00%	15226	0.00%
	15210	0.00%	15214	0.00%	15220	0.00%
	15205	0.00%	15207	0.00%	15203	0.00%
	15220	0.00%	15210	0.00%	15224	0.00%
	15214	0.00%	15206	0.00%	15212	0.00%
	15220	0.00%	15219	0.00%	15212	0.00%
	15219	0.00%	15207	0.00%	15212	0.00%
	15208	0.00%	15206	0.00%	15210	0.00%
	15212	0.00%	15206	0.00%	15208	0.00%
	15212	0.00%	15217	0.00%	15214	0.00%
	15203	0.00%	15206	0.00%	15203	0.00%
	15226	0.00%	15212	0.00%	15210	0.00%
	15220	0.00%	15207	0.00%	15203	0.00%
	15214	0.00%	15220	0.00%	15213	0.00%
	15226	0.00%	15206	0.00%	15208	0.00%
	15212	0.00%	15217	0.00%	15208	0.00%
	15208	0.00%	15214	0.00%	15219	0.00%
	15206	0.00%	15208	0.00%	15216	0.00%
	15224	0.00%	15212	0.00%	15210	0.00%

	15201	0.00%	15217	0.00%	15210	0.00%
	15207	0.00%	15217	0.00%	15214	0.00%
	15235	0.00%	15206	0.00%	15210	0.00%
	15210	0.00%	15214	0.00%	15201	0.00%
	15226	0.00%	15210	0.00%	15234	0.00%
	15211	0.00%	15226	0.00%	15201	0.00%
	15201	0.00%	15204	0.00%	15216	0.00%
	15214	0.00%	15210	0.00%	15214	0.00%
	15201	0.00%	15208	0.00%	15210	0.00%
	15221	0.00%	15208	0.00%	15213	0.00%
	15210	0.00%	15208	0.00%	15204	0.00%
	15226	0.00%	15214	0.00%	15212	0.00%
	15212	0.00%	15214	0.00%	15211	0.00%
	15212	0.00%	15216	0.00%	15212	0.00%
	15212	0.00%	15203	0.00%	15207	0.00%
	15232	0.00%	15203	0.00%	15211	0.00%
	15206	0.00%	15207	0.00%	15206	0.00%
	15227	0.00%	15212	0.00%	15211	0.00%
	15214	0.00%	15212	0.00%	15212	0.00%
	15203	0.00%	15209	0.00%	15214	0.00%
	15214	0.00%	15226	0.00%	15214	0.00%
	15212	0.00%	15212	0.00%	15219	0.00%
	15211	0.00%	15226	0.00%	15212	0.00%
	15204	0.00%	15210	0.00%	15213	0.00%
	15207	0.00%	15217	0.00%	15212	0.00%
	15201	0.00%	15210	0.00%	15226	0.00%
	15203	0.00%	15220	1.35%	15217	0.00%
	15212	0.00%	15214	3.48%	15204	0.00%
	15210	0.00%	15211	5.72%	15224	0.00%
	15207	0.00%	15216	6.13%	15213	0.00%
	15208	0.00%	15205	6.22%	15220	4.65%
	15207	0.00%	15212	6.50%	15210	7.16%
	15220	0.00%	15210	6.56%	15207	7.69%
	15210	0.00%	15210	6.56%	15204	8.55%
	15212	0.00%	15201	8.27%	15214	8.81%
	15210	0.00%	15205	8.34%	15206	9.63%
	15206	0.00%	15210	9.30%	15210	12.22%
	15212	0.00%	15210	9.30%	15203	13.12%
	15204	0.00%	15216	9.84%	15214	13.55%
	15214	0.00%	15226	10.37%	15211	15.38%
	15210	0.00%	15210	11.50%	15212	15.38%
	15233	0.00%	15212	11.53%	15214	15.38%
	15212	0.00%	15214	11.80%	15210	16.27%
	15220	0.00%	15207	12.22%	15210	17.14%

	15227	0.00%	15206	13.03%	15213	17.61%
	15207	0.00%	15214	13.22%	15212	17.61%
	15232	0.00%	15206	13.53%	15212	17.68%
	15204	0.00%	15210	14.69%	15203	18.55%
	15207	0.00%	15201	15.23%	15227	18.55%
	15213	0.00%	15226	15.38%	15211	18.59%
	15207	0.00%	15220	15.94%	15227	20.65%
	15211	0.00%	15212	15.94%	15212	22.96%
	15208	0.73%	15206	16.38%	15204	23.08%
	15212	2.14%	15210	16.40%	15212	23.24%
	15205	3.15%	15210	16.82%	15207	23.48%
	15204	3.28%	15210	17.61%	15207	23.90%
	15204	3.85%	15210	17.61%	15212	27.88%
	15207	4.51%	15211	19.02%	15212	27.88%
	15206	4.88%	15204	19.49%	15212	27.89%
	15220	5.77%	15212	21.60%	15212	28.12%
	15210	5.87%	15210	22.31%	15214	28.77%
	15210	6.56%	15210	22.68%	15214	28.87%
	15227	9.30%	15210	22.76%	15201	29.35%
	15210	11.54%	15201	22.96%	15212	29.35%
	15226	11.67%	15210	23.24%	15219	29.35%
	15214	11.95%	15212	23.48%	15227	29.35%
	15212	13.53%	15204	23.48%	15208	29.52%
	15220	13.62%	15203	23.48%	15210	30.84%
	15207	13.94%	15206	23.83%	15206	31.37%
	15216	13.94%	15216	25.04%	15210	31.77%
	15212	14.30%	15212	25.26%	15206	31.87%
	15213	15.38%	15206	25.74%	15212	31.87%
	15201	15.94%	15217	26.24%	15233	31.87%
	15212	16.03%	15206	26.29%	15214	32.23%
	15214	16.40%	15213	26.92%	15206	33.00%
	15212	16.40%	15219	27.03%	15217	33.94%
	15214	16.73%	15206	27.31%	15219	34.32%
	15207	17.51%	15206	27.89%	15213	34.32%
	15227	17.61%	15204	28.45%	15206	34.62%
	15210	18.21%	15207	29.35%	15206	35.14%
	15212	18.59%	15216	29.35%	15203	35.23%
	15205	18.68%	15207	29.35%	15206	35.23%
	15226	18.68%	15214	29.35%	15203	36.15%
	15206	18.73%	15207	29.52%	15220	36.27%
	15220	18.82%	15212	30.77%	15204	36.42%
	15120	19.23%	15206	30.77%	15212	37.18%
	15217	19.35%	15216	30.93%	15222	37.45%
	15204	19.57%	15216	31.00%	15210	38.10%

	15211	20.02%	15204	31.66%	15217	38.46%
	15207	20.65%	15219	31.87%	15206	38.46%
	15210	21.40%	15203	32.02%	15221	39.37%
	15201	23.08%	15208	32.30%	15219	39.37%
	15210	23.08%	15212	32.53%	15213	39.45%
	15226	23.24%	15207	32.53%	15210	39.54%
	15214	23.48%	15204	32.80%	15211	39.65%
	15220	23.90%	15214	33.23%	15210	40.15%
	15226	24.14%	15210	34.40%	15204	41.10%
	15207	24.60%	15206	35.23%	15212	41.43%
	15210	25.89%	15211	35.49%	15208	41.43%
	15207	26.24%	15210	36.19%	15204	41.83%
	15220	27.46%	15207	36.27%	15206	42.31%
	15210	27.84%	15211	36.54%	15120	42.31%
	15214	27.89%	15226	37.18%	15211	42.53%
	15210	27.89%	15210	37.35%	15211	42.65%
	15214	28.38%	15204	37.50%	15210	42.88%
	15203	29.28%	15210	37.69%	15212	42.90%
	15220	29.35%	15220	38.16%	15205	43.27%
	15216	29.65%	15206	38.23%	15212	43.83%
	15206	30.21%	15219	38.46%	15217	44.18%
	15214	31.21%	15212	38.46%	15212	44.84%
	15221	31.46%	15214	38.46%	15206	45.58%
	15212	31.46%	15205	39.37%	15210	45.79%
	15201	31.49%	15211	39.50%	15210	45.82%
	15220	31.69%	15203	39.84%	15221	45.85%
	15212	31.73%	15221	39.84%	15206	45.93%
	15214	31.87%	15210	40.48%	15220	46.10%
	15217	31.87%	15212	40.61%	15212	46.15%
	15208	31.87%	15204	41.10%	15211	46.15%
	15219	31.87%	15203	41.10%	15212	46.15%
	15206	32.53%	15212	41.33%	15207	46.48%
	15227	32.62%	15203	41.83%	15201	46.79%
	15208	32.80%	15203	41.83%	15214	46.97%
	15212	32.80%	15214	42.23%	15210	47.64%
	15212	32.80%	15220	42.31%	15216	47.81%
	15214	33.46%	15224	42.31%	15221	49.08%
	15210	33.94%	15210	42.48%	15210	49.21%
	15210	34.03%	15212	43.27%	15210	49.21%
	15220	34.62%	15214	43.83%	15208	49.26%
	15214	34.62%	15206	44.03%	15205	49.40%
	15212	34.62%	15210	44.85%	15210	49.40%
	15204	34.86%	15205	45.00%	15212	49.55%
	15208	34.99%	15204	45.69%	15211	49.64%

	15220	35.09%	15212	45.79%	15226	49.78%
	15220	35.15%	15210	46.15%	15201	49.90%
	15212	35.49%	15207	46.15%	15212	51.48%
	15212	35.86%	15212	46.44%	15217	51.92%
	15219	35.86%	15214	46.48%	15212	52.43%
	15208	36.15%	15207	46.48%	15210	52.56%
	15209	36.15%	15212	46.48%	15219	52.84%
	15206	36.25%	15211	46.48%	15212	53.13%
	15207	36.99%	15214	46.48%	15106	53.71%
	15203	37.08%	15212	46.54%	15208	54.48%
	15214	37.18%	15216	46.97%	15208	55.17%
	15216	37.40%	15220	46.97%	15212	55.30%
	15219	38.02%	15212	47.17%	15219	55.36%
	15214	38.79%	15207	47.19%	15205	55.36%
	15212	38.81%	15205	47.30%	15210	55.36%
	15204	38.85%	15232	47.81%	15212	55.70%
	15203	39.09%	15207	47.81%	15221	55.77%
	15206	39.28%	15221	47.81%	15211	55.77%
	15219	39.37%	15211	47.81%	15224	55.77%
	15203	39.37%	15216	47.83%	15219	55.77%
	15214	39.37%	15210	48.13%	15219	55.77%
	15226	39.84%	15207	48.26%	15206	55.77%
	15210	39.84%	15208	48.83%	15208	55.77%
	15214	39.84%	15207	49.21%	15204	55.78%
	15226	39.84%	15208	49.55%	15211	57.20%
	15226	39.84%	15210	50.00%	15221	58.00%
	15232	39.84%	15210	50.00%	15219	58.71%
	15210	39.84%	15226	50.20%	15201	58.71%
	15206	40.08%	15210	50.49%	15214	58.71%
	15212	40.51%	15207	51.12%	15206	58.71%
	15210	40.97%	15214	51.12%	15212	58.71%
	15212	41.10%	15210	51.19%	15203	58.71%
	15206	41.19%	15210	51.48%	15206	59.05%
	15210	41.20%	15214	52.84%	15210	59.16%
	15211	41.83%	15227	52.84%	15210	59.54%
	15212	42.12%	15208	52.84%	15221	59.69%
	15214	42.48%	15210	53.66%	15204	59.76%
	15212	42.66%	15234	53.85%	15210	59.76%
	15210	42.66%	15211	54.19%	15210	59.86%
	15227	42.76%	15210	55.24%	15214	60.00%
	15226	42.90%	15210	55.36%	15212	60.42%
	15204	43.83%	15207	55.36%	15207	60.84%
	15210	43.83%	15206	55.49%	15212	61.12%
	15204	43.83%	15227	55.54%	15204	61.43%

	15210	43.83%	15212	55.77%	15206	61.51%
	15211	44.15%	15212	55.77%	15224	62.96%
	15227	44.62%	15213	55.77%	15208	62.99%
	15206	44.80%	15210	55.77%	15210	63.75%
	15214	44.86%	15201	55.78%	15211	63.75%
	15207	45.37%	15227	55.78%	15205	64.06%
	15212	45.73%	15204	56.54%	15217	64.58%
	15210	45.76%	15212	57.16%	15206	64.86%
	15212	46.15%	15219	57.20%	15219	65.07%
	15212	46.15%	15206	57.20%	15212	65.07%
	15207	46.15%	15206	57.69%	15209	65.07%
	15205	46.15%	15210	57.69%	15210	65.07%
	15212	46.15%	15220	57.71%	15227	65.34%
	15204	46.15%	15214	58.59%	15212	65.61%
	15221	46.15%	15206	58.71%	15210	65.61%
	15207	46.48%	15204	58.71%	15212	65.62%
	15208	46.48%	15226	58.71%	15214	65.99%
	15208	46.48%	15201	58.71%	15206	67.73%
	15214	46.48%	15210	59.26%	15213	68.18%
	15206	46.48%	15227	59.62%	15210	68.23%
	15220	46.48%	15212	59.72%	15214	68.64%
	15210	46.97%	15201	59.76%	15207	68.89%
	15207	46.97%	15213	59.94%	15204	69.71%
	15214	46.97%	15210	60.23%	15217	69.71%
	15208	46.97%	15206	60.42%	15203	69.88%
	15210	46.97%	15210	60.96%	15210	70.30%
	15219	46.97%	15209	61.54%	15210	70.45%
	15203	47.81%	15210	62.74%	15210	70.45%
	15212	47.96%	15210	62.79%	15226	70.45%
	15226	49.04%	15208	63.46%	15206	70.45%
	15226	49.21%	15204	63.47%	15206	70.45%
	15207	49.21%	15205	63.73%	15210	70.45%
	15212	49.21%	15217	63.75%	15212	70.45%
	15212	49.84%	15206	63.75%	15212	70.45%
	15221	49.90%	15214	63.75%	15206	70.45%
	15227	50.00%	15216	63.75%	15210	70.60%
	15219	50.09%	15206	63.75%	15206	71.50%
	15205	50.67%	15206	63.75%	15220	71.61%
	15206	51.12%	15214	63.75%	15212	71.71%
	15208	52.29%	15204	64.29%	15210	71.71%
	15205	52.49%	15214	64.58%	15221	71.71%
	15207	52.75%	15212	64.58%	15221	71.71%
	15219	52.84%	15219	64.58%	15201	72.03%
	15207	52.84%	15212	64.58%	15212	72.17%

	15216	52.84%	15210	64.78%	15206	72.75%
	15219	52.98%	15219	64.81%	15204	72.83%
	15211	53.23%	15205	65.02%	15214	73.23%
	15207	53.85%	15209	65.07%	15206	73.23%
	15208	55.18%	15226	65.58%	15226	73.39%
	15207	55.24%	15217	65.61%	15224	73.55%
	15214	55.36%	15205	65.61%	15208	74.21%
	15210	55.68%	15212	66.29%	15211	74.34%
	15210	55.77%	15226	66.46%	15219	74.36%
	15205	55.77%	15210	66.69%	15214	74.36%
	15212	55.77%	15208	67.40%	15224	74.42%
	15214	55.78%	15208	67.57%	15210	74.90%
	15210	55.78%	15210	67.57%	15208	74.90%
	15217	56.36%	15207	67.73%	15208	75.14%
	15210	56.45%	15207	67.93%	15212	75.14%
	15205	56.70%	15212	67.97%	15214	75.14%
	15206	56.89%	15224	68.21%	15224	75.14%
	15211	56.90%	15210	68.45%	15213	75.14%
	15213	56.92%	15212	68.89%	15210	75.14%
	15206	57.20%	15207	69.10%	15209	75.14%
	15207	57.31%	15206	69.71%	15213	75.14%
	15212	57.35%	15207	69.71%	15221	75.30%
	15212	57.37%	15203	69.71%	15212	75.30%
	15207	57.42%	15219	69.71%	15221	75.45%
	15216	57.69%	15210	70.45%	15203	76.02%
	15214	57.77%	15216	70.45%	15204	76.24%
	15206	57.95%	15216	70.45%	15208	76.49%
	15219	58.00%	15226	70.45%	15220	76.54%
	15216	58.09%	15210	70.45%	15212	76.73%
	15206	58.30%	15203	70.45%	15210	76.81%
	15203	58.30%	15214	70.52%	15201	76.89%
	15201	58.30%	15204	71.16%	15216	76.89%
	15221	58.65%	15217	71.39%	15212	76.89%
	15214	58.71%	15206	71.71%	15212	76.89%
	15226	58.71%	15212	71.71%	15212	76.90%
	15206	58.71%	15210	71.71%	15208	76.90%
	15207	58.71%	15212	71.71%	15210	76.92%
	15203	58.71%	15203	71.71%	15210	76.92%
	15210	59.05%	15208	71.71%	15217	76.92%
	15214	59.76%	15210	71.71%	15210	76.92%
	15217	59.84%	15208	72.03%	15221	77.05%
	15216	59.84%	15212	72.04%	15207	77.53%
	15214	59.95%	15226	72.17%	15206	77.53%
	15206	60.42%	15212	72.42%	15210	77.89%

	15206	60.88%	15209	73.08%	15217	78.08%
	15206	61.35%	15219	73.15%	15213	78.09%
	15205	61.54%	15219	73.33%	15204	78.09%
	15220	61.64%	15206	73.86%	15212	78.49%
	15211	61.64%	15233	74.08%	15207	78.49%
	15206	61.75%	15212	74.15%	15207	78.73%
	15212	62.11%	15226	74.36%	15201	79.12%
	15224	62.33%	15224	74.36%	15206	79.20%
	15212	62.81%	15205	74.36%	15201	79.44%
	15221	63.17%	15207	74.36%	15210	79.52%
	15220	63.34%	15206	74.36%	15203	79.68%
	15206	63.41%	15212	74.36%	15207	79.68%
	15212	63.75%	15212	74.38%	15210	79.68%
	15207	63.75%	15212	74.44%	15211	79.68%
	15210	63.75%	15210	74.66%	15201	79.68%
	15206	63.75%	15212	74.82%	15203	79.68%
	15224	63.75%	15220	74.85%	15206	79.68%
	15211	63.75%	15208	74.90%	15219	80.24%
	15214	63.75%	15206	74.90%	15210	80.49%
	15210	63.75%	15210	74.90%	15214	80.80%
	15214	64.08%	15221	75.14%	15208	81.59%
	15212	64.58%	15106	75.14%	15201	82.07%
	15210	64.58%	15235	75.14%	15207	82.36%
	15216	64.58%	15224	75.14%	15212	82.55%
	15207	64.58%	15212	75.14%	15204	82.85%
	15212	64.64%	15210	75.14%	15207	82.95%
	15207	65.38%	15210	75.14%	15219	83.66%
	15210	65.61%	15220	75.14%	15212	83.66%
	15212	65.61%	15207	75.14%	15210	84.62%
	15210	65.61%	15210	75.14%	15201	84.62%
	15214	65.61%	15201	75.14%	15210	85.29%
	15214	65.61%	15204	75.38%	15210	85.29%
	15201	65.61%	15217	75.38%	15210	85.45%
	15219	65.74%	15204	75.45%	15210	85.65%
	15212	65.75%	15212	75.86%	15210	85.80%
	15212	66.11%	15204	75.94%	15210	85.80%
	15226	66.45%	15206	76.25%	15212	85.95%
	15210	66.69%	15219	76.32%	15206	86.85%
	15204	66.77%	15204	76.49%	15217	87.13%
	15219	67.01%	15226	76.62%	15206	87.25%
	15213	67.26%	15203	76.73%	15201	87.49%
	15204	67.28%	15211	76.81%	15219	87.49%
	15212	67.71%	15210	76.82%	15211	87.65%
	15201	67.73%	15210	76.89%	15206	87.65%

	15211	67.73%	15212	76.89%	15206	87.81%
	15226	67.81%	15212	76.89%	15210	88.04%
	15204	68.21%	15214	76.89%	15210	88.06%
	15212	68.35%	15216	76.92%	15106	88.06%
	15207	68.64%	15214	77.03%	15204	88.30%
	15204	69.23%	15201	77.12%	15214	88.30%
	15211	69.23%	15206	77.13%	15212	88.63%
	15210	69.71%	15201	77.29%	15219	89.08%
	15204	69.71%	15203	77.29%	15210	89.08%
	15219	70.12%	15206	77.69%	15205	89.64%
	15216	70.45%	15206	77.69%	15203	90.04%
	15208	70.45%	15210	78.01%	15207	90.16%
	15212	70.77%	15206	78.26%	15206	90.31%
	15210	70.92%	15206	78.49%	15212	90.86%
	15207	71.47%	15217	78.73%	15232	91.08%
	15210	71.50%	15204	78.90%	15210	91.82%
	15221	71.71%	15120	79.01%	15210	91.85%
	15216	71.71%	15204	79.01%	15210	91.85%
	15206	71.71%	15201	79.26%	15226	92.31%
	15226	71.71%	15214	79.28%	15212	92.31%
	15206	71.71%	15210	79.32%	15212	92.31%
	15205	71.71%	15207	79.52%	15207	92.35%
	15219	71.71%	15211	79.68%	15211	92.95%
	15208	71.71%	15206	79.68%	15203	92.95%
	15208	71.71%	15212	79.68%	15208	92.95%
	15201	71.71%	15208	79.68%	15214	92.95%
	15214	71.71%	15234	79.68%	15216	93.15%
	15216	71.95%	15219	79.68%	15212	93.15%
	15207	72.35%	15204	79.68%	15204	93.71%
	15216	73.47%	15207	79.68%	15224	93.93%
	15201	73.80%	15233	79.84%	15201	93.93%
	15206	73.86%	15211	80.08%	15212	93.93%
	15226	74.21%	15217	80.25%	15214	93.93%
	15214	74.34%	15212	80.63%	15212	94.30%
	15220	74.36%	15208	80.92%	15204	94.70%
	15220	74.58%	15204	81.49%	15206	94.98%
	15210	74.90%	15212	81.59%	15219	95.01%
	15206	74.90%	15212	81.77%	15212	95.14%
	15212	74.90%	15210	82.01%	15212	95.62%
	15201	74.97%	15210	82.07%	15208	95.62%
	15212	75.14%	15203	82.19%	15209	95.62%
	15201	75.14%	15224	82.19%	15224	95.62%
	15217	75.14%	15221	82.19%	15212	95.62%
	15217	75.14%	15221	82.19%	15208	95.62%

	15201	75.14%	15207	82.19%	15210	95.62%
	15212	75.14%	15208	82.19%	15211	95.62%
	15212	75.14%	15208	82.19%	15204	95.62%
	15206	75.30%	15212	82.31%	15207	95.92%
	15220	75.31%	15210	82.50%	15214	96.15%
	15201	75.45%	15226	82.55%	15210	96.22%
	15208	75.52%	15207	82.87%	15204	96.63%
	15207	75.62%	15210	82.94%	15210	96.65%
	15204	75.70%	15234	83.43%	15212	96.67%
	15212	75.70%	15212	83.66%	15210	96.74%
	15207	75.70%	15206	83.66%	15204	97.51%
	15233	75.70%	15212	83.66%	15210	97.61%
	15220	75.70%	15213	83.66%	15210	97.87%
	15210	75.70%	15203	83.66%	15220	98.17%
	15219	75.86%	15212	83.66%	15206	98.17%
	15208	75.94%	15221	83.67%	15210	98.41%
	15204	76.17%	15220	83.72%	15214	98.41%
	15201	76.18%	15207	83.75%	15212	98.41%
	15206	76.32%	15226	84.54%	15212	98.46%
	15208	76.32%	15220	84.62%	15226	98.46%
	15214	76.32%	15219	84.62%	15210	98.46%
	15216	76.39%	15210	84.62%	15212	99.80%
	15204	76.49%	15219	84.62%	15204	99.80%
	15207	76.53%	15204	84.70%	15210	100.00%
	15212	76.57%	15216	84.89%	15207	100.00%
	15226	76.73%	15210	85.86%	15204	100.00%
	15216	76.73%	15220	85.89%	15210	100.00%
	15206	76.73%	15203	86.48%	15226	100.00%
	15206	76.73%	15214	86.54%	15208	100.12%
	15226	76.73%	15206	86.85%	15210	100.15%
	15219	76.89%	15216	87.01%	15226	100.48%
	15214	76.89%	15212	87.08%	15212	100.95%
	15219	76.89%	15212	87.47%	15226	101.39%
	15208	76.90%	15204	87.59%	15226	101.67%
	15207	76.92%	15208	87.59%	15216	101.70%
	15210	76.92%	15226	87.65%	15204	101.83%
	15227	76.92%	15211	87.65%	15216	101.83%
	15226	76.92%	15212	87.97%	15210	101.94%
	15214	76.92%	15208	88.06%	15210	102.25%
	15211	76.92%	15207	88.06%	15212	102.25%
	15210	77.09%	15207	88.06%	15204	102.25%
	15221	77.26%	15204	88.30%	15212	102.25%
	15212	77.29%	15233	88.46%	15212	102.25%
	15206	77.37%	15227	88.46%	15208	102.33%

	15207	77.45%	15219	88.57%	15220	102.57%
	15210	77.69%	15233	88.61%	15224	102.74%
	15210	77.70%	15226	89.77%	15204	102.96%
	15214	77.86%	15201	90.59%	15212	103.19%
	15212	78.09%	15211	90.63%	15211	103.19%
	15211	78.09%	15212	90.92%	15212	103.59%
	15210	78.46%	15214	91.59%	15208	103.59%
	15203	78.46%	15206	91.63%	15212	103.59%
	15209	78.49%	15216	91.63%	15224	103.65%
	15206	78.49%	15204	91.79%	15209	103.67%
	15213	78.49%	15208	92.07%	15203	103.75%
	15210	78.49%	15214	92.27%	15212	103.75%
	15208	78.49%	15212	92.31%	15224	104.80%
	15201	78.55%	15224	92.31%	15210	105.68%
	15216	78.61%	15201	92.31%	15211	105.68%
	15209	78.73%	15210	92.31%	15207	105.68%
	15210	78.73%	15217	92.31%	15216	105.68%
	15224	78.73%	15210	92.31%	15212	105.68%
	15212	78.73%	15227	92.31%	15212	105.68%
	15211	78.73%	15234	92.31%	15214	105.68%
	15204	78.80%	15206	92.31%	15210	106.15%
	15213	78.88%	15224	92.58%	15211	106.22%
	15212	79.01%	15211	92.95%	15219	106.32%
	15213	79.67%	15210	92.95%	15201	106.45%
	15210	79.68%	15212	92.95%	15203	106.61%
	15211	79.68%	15203	92.95%	15201	106.67%
	15214	79.68%	15214	92.95%	15208	106.77%
	15201	79.68%	15214	92.95%	15201	106.89%
	15204	79.68%	15219	92.95%	15204	106.89%
	15213	79.68%	15208	92.95%	15201	107.25%
	15219	79.68%	15216	92.95%	15219	107.49%
	15205	79.68%	15219	92.95%	15235	107.57%
	15220	79.84%	15214	92.95%	15212	107.57%
	15221	79.86%	15212	92.95%	15205	107.69%
	15210	79.92%	15208	93.23%	15217	107.69%
	15211	80.00%	15227	93.55%	15212	107.89%
	15224	80.16%	15207	94.38%	15210	107.91%
	15212	80.84%	15210	94.42%	15227	107.96%
	15210	81.12%	15207	94.48%	15210	108.02%
	15207	81.27%	15210	94.81%	15221	108.14%
	15211	82.01%	15209	94.98%	15207	108.26%
	15201	82.01%	15217	95.11%	15212	108.26%
	15213	82.15%	15224	95.13%	15206	108.53%
	15216	82.16%	15211	95.13%	15212	108.61%

	15217	82.19%	15207	95.30%	15206	109.20%
	15212	82.19%	15217	95.62%	15206	109.20%
	15212	82.19%	15212	95.62%	15201	109.26%
	15206	82.19%	15224	95.62%	15206	109.34%
	15219	82.19%	15213	95.62%	15204	110.02%
	15201	82.71%	15204	95.62%	15212	110.12%
	15217	82.71%	15210	95.62%	15208	111.08%
	15207	83.66%	15212	95.62%	15221	111.54%
	15211	83.66%	15206	95.69%	15206	111.55%
	15211	83.75%	15210	96.15%	15226	111.55%
	15211	83.75%	15201	96.15%	15226	111.55%
	15207	83.82%	15220	96.28%	15227	111.55%
	15214	83.95%	15205	96.57%	15206	111.55%
	15207	84.01%	15211	96.87%	15214	111.55%
	15219	84.14%	15212	96.97%	15210	112.09%
	15205	84.19%	15206	97.24%	15210	112.15%
	15201	84.38%	15201	97.60%	15211	112.35%
	15234	84.54%	15214	97.61%	15214	113.31%
	15227	84.54%	15212	97.77%	15208	113.37%
	15210	84.62%	15226	98.01%	15219	113.71%
	15208	84.62%	15207	98.01%	15220	113.78%
	15210	84.95%	15210	98.41%	15214	114.18%
	15204	84.96%	15201	98.41%	15205	114.39%
	15219	85.01%	15210	98.50%	15207	114.48%
	15211	85.07%	15201	99.04%	15212	114.82%
	15226	85.29%	15203	99.04%	15209	115.38%
	15203	85.29%	15216	99.46%	15212	115.38%
	15210	85.66%	15224	99.52%	15207	115.38%
	15206	85.77%	15203	99.60%	15209	115.38%
	15210	85.80%	15234	99.60%	15206	115.38%
	15220	86.18%	15212	99.60%	15212	115.38%
	15207	86.30%	15217	99.80%	15201	115.38%
	15212	86.44%	15214	99.80%	15216	115.46%
	15208	86.51%	15210	99.80%	15210	116.02%
	15210	86.54%	15207	100.00%	15210	116.19%
	15233	87.23%	15211	100.25%	15210	116.19%
	15210	87.36%	15206	100.69%	15219	116.19%
	15233	87.65%	15210	100.88%	15201	116.19%
	15210	87.65%	15208	101.13%	15212	116.60%
	15212	87.65%	15212	101.59%	15226	116.81%
	15217	87.65%	15233	102.01%	15214	116.91%
	15214	87.65%	15207	102.25%	15201	117.29%
	15201	87.65%	15211	102.25%	15212	117.42%
	15207	87.65%	15213	102.55%	15212	117.42%

	15204	87.65%	15212	102.79%	15207	117.42%
	15207	88.06%	15216	102.96%	15212	117.42%
	15201	88.06%	15219	103.09%	15211	117.42%
	15233	88.06%	15214	103.48%	15216	117.42%
	15206	88.06%	15201	103.59%	15213	117.42%
	15224	88.06%	15201	103.59%	15201	117.42%
	15213	88.06%	15219	103.59%	15204	117.42%
	15217	88.06%	15233	103.59%	15212	117.42%
	15207	88.13%	15224	103.85%	15201	117.93%
	15201	88.26%	15204	103.85%	15207	118.10%
	15224	88.30%	15212	104.62%	15210	118.10%
	15212	88.30%	15201	104.63%	15203	118.28%
	15201	88.30%	15219	104.70%	15208	118.57%
	15210	88.46%	15206	104.98%	15220	118.57%
	15207	88.49%	15227	104.98%	15217	118.59%
	15207	88.58%	15205	105.56%	15216	118.94%
	15214	88.72%	15219	105.68%	15210	119.23%
	15204	88.76%	15210	105.68%	15226	119.23%
	15220	88.88%	15212	105.68%	15210	119.23%
	15213	89.40%	15219	105.68%	15214	119.52%
	15214	89.47%	15211	105.68%	15206	119.52%
	15211	89.48%	15210	105.68%	15214	119.52%
	15210	89.56%	15204	105.68%	15208	119.52%
	15210	90.35%	15212	105.98%	15211	119.52%
	15213	90.41%	15212	105.98%	15207	119.52%
	15204	91.00%	15219	106.69%	15214	119.52%
	15207	91.85%	15206	106.89%	15212	119.52%
	15208	91.85%	15224	106.98%	15220	119.52%
	15212	91.85%	15206	107.61%	15206	119.52%
	15210	91.85%	15226	107.69%	15221	119.53%
	15206	92.31%	15206	107.69%	15211	120.35%
	15221	92.37%	15207	107.69%	15214	120.40%
	15210	92.51%	15220	107.69%	15216	120.84%
	15224	92.52%	15212	107.71%	15220	120.84%
	15210	92.59%	15206	108.02%	15219	121.23%
	15216	92.81%	15210	108.05%	15210	122.15%
	15210	92.95%	15219	108.08%	15212	123.08%
	15201	92.95%	15208	108.13%	15212	123.08%
	15204	92.95%	15210	108.26%	15206	123.29%
	15233	92.95%	15206	108.45%	15204	123.29%
	15205	92.95%	15234	108.78%	15220	123.29%
	15201	92.95%	15208	108.90%	15206	123.29%
	15201	92.95%	15208	109.48%	15203	123.29%
	15212	92.95%	15212	109.56%	15201	123.29%

	15206	92.95%	15207	109.72%	15212	123.81%
	15206	92.95%	15204	110.17%	15233	123.98%
	15232	93.47%	15221	110.76%	15204	123.99%
	15207	93.93%	15217	111.16%	15208	124.22%
	15206	93.93%	15204	111.54%	15217	124.51%
	15212	93.93%	15212	111.54%	15212	124.70%
	15214	93.93%	15210	111.54%	15205	126.14%
	15210	93.93%	15219	111.54%	15233	126.69%
	15212	93.93%	15208	111.55%	15210	126.69%
	15210	94.02%	15214	111.55%	15212	126.93%
	15213	94.21%	15205	111.55%	15203	127.17%
	15208	94.26%	15210	111.55%	15221	127.49%
	15212	94.26%	15212	111.55%	15219	127.49%
	15220	94.46%	15216	111.60%	15207	127.49%
	15207	95.18%	15211	112.03%	15208	127.49%
	15210	95.38%	15219	112.59%	15219	127.49%
	15216	95.62%	15214	112.66%	15233	127.49%
	15210	95.62%	15201	112.83%	15207	127.49%
	15204	95.62%	15204	113.20%	15210	127.49%
	15212	95.62%	15207	113.31%	15220	127.49%
	15221	95.62%	15210	113.41%	15212	127.98%
	15210	95.62%	15207	113.42%	15216	128.69%
	15210	95.62%	15208	113.54%	15204	129.16%
	15210	95.62%	15206	113.78%	15214	129.16%
	15210	95.62%	15226	113.85%	15206	129.16%
	15208	95.62%	15207	114.07%	15221	129.32%
	15201	95.62%	15106	114.26%	15214	129.32%
	15210	95.62%	15227	114.39%	15212	130.09%
	15226	95.62%	15205	114.39%	15212	130.13%
	15212	95.62%	15211	114.40%	15226	130.13%
	15227	95.62%	15217	114.82%	15212	130.13%
	15207	95.62%	15212	114.90%	15210	130.46%
	15211	95.62%	15212	115.38%	15219	130.77%
	15208	95.69%	15212	115.38%	15211	130.77%
	15212	95.86%	15214	115.38%	15212	131.22%
	15212	96.15%	15201	115.38%	15201	131.63%
	15221	96.15%	15218	115.38%	15214	131.71%
	15212	96.15%	15221	115.38%	15224	131.95%
	15217	96.28%	15207	115.51%	15211	132.04%
	15217	97.53%	15207	115.70%	15217	132.88%
	15208	97.60%	15210	115.70%	15207	132.91%
	15226	97.60%	15216	115.72%	15216	133.03%
	15208	97.60%	15208	115.86%	15204	133.42%
	15204	97.81%	15217	116.18%	15210	133.47%

	15212	98.02%	15120	116.19%	15210	133.47%
	15220	98.41%	15208	116.19%	15210	134.13%
	15212	98.41%	15226	116.19%	15214	134.31%
	15210	98.41%	15206	116.19%	15232	134.62%
	15206	98.41%	15201	116.19%	15226	134.62%
	15207	98.41%	15219	116.19%	15207	134.78%
	15206	98.41%	15206	116.19%	15201	135.03%
	15204	98.49%	15224	116.33%	15206	135.46%
	15210	98.49%	15206	116.65%	15210	136.10%
	15203	98.80%	15220	116.73%	15217	136.31%
	15207	99.23%	15226	116.92%	15206	136.81%
	15207	99.80%	15106	117.42%	15212	137.29%
	15219	99.80%	15210	117.42%	15207	138.25%
	15224	99.80%	15203	117.42%	15204	138.68%
	15226	100.00%	15214	117.42%	15226	139.28%
	15214	100.00%	15206	117.42%	15214	139.43%
	15224	100.00%	15212	117.42%	15212	139.43%
	15210	100.00%	15214	117.42%	15210	139.43%
	15203	100.00%	15224	117.42%	15210	140.12%
	15211	100.00%	15214	117.42%	15211	140.82%
	15210	100.10%	15206	117.42%	15210	140.90%
	15219	100.33%	15212	117.42%	15224	140.90%
	15217	100.58%	15212	117.42%	15211	140.90%
	15212	100.96%	15207	117.61%	15205	140.90%
	15205	101.04%	15219	117.93%	15212	141.06%
	15206	101.04%	15216	118.64%	15212	141.77%
	15210	101.37%	15213	118.75%	15206	141.84%
	15206	101.43%	15206	118.80%	15210	142.13%
	15226	101.86%	15219	118.88%	15210	142.27%
	15207	101.91%	15204	119.44%	15207	143.03%
	15207	102.11%	15208	119.52%	15227	143.42%
	15210	102.25%	15219	119.52%	15233	143.42%
	15227	102.25%	15213	119.52%	15205	143.43%
	15221	102.27%	15212	119.52%	15214	143.43%
	15207	102.34%	15213	119.52%	15216	143.43%
	15234	103.55%	15221	119.52%	15206	143.43%
	15206	103.59%	15206	119.52%	15204	143.43%
	15212	103.59%	15204	119.52%	15234	143.43%
	15224	103.59%	15211	119.52%	15207	143.43%
	15208	103.59%	15219	119.52%	15219	143.43%
	15224	103.59%	15224	119.60%	15206	143.43%
	15207	103.59%	15226	120.11%	15210	143.59%
	15214	103.59%	15205	120.23%	15212	143.84%
	15216	103.59%	15206	120.84%	15206	143.98%

	15208	103.85%	15214	120.84%	15217	143.98%
	15224	103.86%	15206	120.84%	15212	144.25%
	15212	104.22%	15201	121.27%	15226	146.06%
	15226	104.50%	15201	121.35%	15212	146.15%
	15212	104.58%	15214	121.59%	15212	146.37%
	15210	104.62%	15207	121.83%	15204	146.63%
	15206	104.98%	15214	122.47%	15209	146.77%
	15212	105.10%	15220	122.47%	15207	146.77%
	15210	105.68%	15212	122.71%	15217	146.77%
	15220	105.68%	15214	122.88%	15211	146.77%
	15224	105.68%	15226	122.91%	15224	146.77%
	15210	105.68%	15205	123.08%	15213	146.77%
	15210	105.68%	15207	123.08%	15212	147.42%
	15210	105.73%	15216	123.08%	15210	147.48%
	15206	105.74%	15206	123.11%	15212	147.62%
	15204	105.87%	15235	123.19%	15220	147.62%
	15220	106.06%	15219	123.29%	15217	148.72%
	15210	106.22%	15214	123.29%	15207	149.48%
	15207	106.43%	15120	123.29%	15216	149.59%
	15120	106.73%	15208	123.29%	15211	149.70%
	15205	106.89%	15226	123.61%	15206	149.72%
	15234	106.89%	15216	124.28%	15201	149.78%
	15220	106.89%	15220	124.54%	15234	149.82%
	15220	106.89%	15210	124.66%	15120	149.88%
	15206	106.89%	15220	125.10%	15224	150.29%
	15204	106.93%	15226	125.87%	15214	151.05%
	15204	107.25%	15210	125.90%	15212	151.39%
	15224	107.33%	15207	126.41%	15221	151.39%
	15226	107.41%	15214	126.69%	15214	151.39%
	15226	107.57%	15218	126.81%	15227	151.39%
	15212	107.57%	15212	126.81%	15213	152.46%
	15210	107.69%	15212	127.34%	15226	152.64%
	15206	107.79%	15208	127.49%	15210	152.64%
	15219	107.97%	15224	127.49%	15219	152.64%
	15212	108.03%	15203	127.49%	15208	152.64%
	15224	108.33%	15212	127.49%	15219	152.99%
	15208	108.45%	15206	127.49%	15214	153.55%
	15204	108.61%	15206	127.81%	15211	154.40%
	15204	108.92%	15212	127.94%	15204	155.23%
	15207	109.80%	15201	128.45%	15220	155.38%
	15216	110.10%	15214	129.08%	15217	155.38%
	15208	110.12%	15207	129.12%	15219	156.16%
	15210	110.22%	15214	129.16%	15226	156.54%
	15205	110.33%	15214	129.16%	15219	156.75%

	15217	110.49%	15206	129.16%	15212	158.00%
	15210	110.60%	15220	129.16%	15233	159.20%
	15221	110.68%	15203	129.16%	15210	159.36%
	15211	110.72%	15226	129.16%	15206	159.36%
	15206	111.54%	15217	129.39%	15212	159.36%
	15210	111.54%	15214	129.48%	15210	159.36%
	15212	111.54%	15227	129.48%	15201	159.36%
	15212	111.54%	15212	130.13%	15224	159.36%
	15214	111.54%	15214	130.13%	15211	159.36%
	15221	111.54%	15214	130.20%	15210	159.36%
	15203	111.54%	15226	130.58%	15214	159.36%
	15207	111.55%	15210	130.77%	15233	159.36%
	15219	111.55%	15210	131.00%	15214	159.36%
	15216	111.55%	15205	131.22%	15207	159.36%
	15219	111.55%	15210	131.22%	15227	160.10%
	15212	111.55%	15120	131.22%	15204	161.54%
	15208	111.55%	15201	131.25%	15214	161.59%
	15213	111.55%	15214	131.47%	15207	162.09%
	15210	111.55%	15220	131.62%	15203	162.66%
	15221	111.55%	15207	132.09%	15206	162.66%
	15206	111.55%	15212	132.35%	15214	162.66%
	15211	111.55%	15203	132.83%	15214	162.66%
	15208	111.55%	15205	132.91%	15206	162.87%
	15204	111.86%	15210	133.12%	15212	164.02%
	15226	111.90%	15213	133.31%	15206	164.38%
	15226	113.01%	15210	133.55%	15233	164.38%
	15203	113.13%	15203	133.94%	15204	164.38%
	15210	113.32%	15212	134.18%	15212	164.38%
	15206	114.39%	15219	134.27%	15226	167.31%
	15106	114.45%	15221	134.62%	15224	167.32%
	15208	114.72%	15207	134.66%	15212	167.32%
	15207	114.81%	15210	134.78%	15219	167.33%
	15210	114.82%	15210	134.98%	15220	168.05%
	15220	115.01%	15203	135.03%	15212	173.08%
	15214	115.14%	15210	135.03%	15233	173.08%
	15216	115.30%	15206	135.03%	15212	173.90%
	15224	115.38%	15208	135.03%	15206	174.28%
	15220	115.38%	15214	135.03%	15210	174.75%
	15201	115.38%	15224	135.03%	15217	175.30%
	15210	115.38%	15206	135.38%	15206	175.30%
	15201	115.38%	15208	135.46%	15212	175.30%
	15216	115.38%	15220	135.46%	15210	175.30%
	15220	115.38%	15217	135.46%	15212	175.30%
	15206	115.38%	15226	135.46%	15206	175.30%

	15210	115.54%	15212	135.46%	15214	175.38%
	15210	115.54%	15212	135.62%	15204	176.13%
	15210	115.66%	15213	136.11%	15206	176.13%
	15210	115.66%	15224	138.08%	15220	176.13%
	15221	115.86%	15212	138.25%	15212	176.13%
	15217	116.19%	15212	138.79%	15216	176.13%
	15226	116.19%	15226	139.24%	15212	176.13%
	15224	116.19%	15214	139.43%	15204	176.14%
	15204	116.19%	15203	139.43%	15106	176.18%
	15210	116.24%	15221	139.43%	15211	177.37%
	15206	116.25%	15210	139.43%	15212	180.09%
	15212	116.89%	15208	139.43%	15208	181.00%
	15226	116.97%	15216	139.43%	15224	181.12%
	15204	117.05%	15216	139.43%	15206	183.17%
	15219	117.05%	15224	139.44%	15206	183.27%
	15206	117.42%	15214	139.84%	15201	183.27%
	15206	117.42%	15204	140.00%	15210	183.27%
	15201	117.42%	15204	140.31%	15211	183.27%
	15212	117.42%	15212	140.38%	15212	183.35%
	15206	117.42%	15219	140.50%	15206	183.49%
	15234	117.42%	15106	140.90%	15201	185.90%
	15204	117.42%	15209	140.90%	15212	185.90%
	15220	117.42%	15219	140.90%	15206	185.90%
	15204	117.42%	15206	140.90%	15210	185.90%
	15210	117.42%	15210	140.96%	15217	185.90%
	15217	117.42%	15208	141.06%	15211	185.90%
	15204	117.42%	15217	141.78%	15214	185.90%
	15210	117.45%	15212	142.12%	15216	186.34%
	15211	117.53%	15217	142.99%	15219	187.87%
	15233	117.54%	15209	143.43%	15201	187.87%
	15206	117.65%	15217	143.43%	15212	187.87%
	15201	117.95%	15201	143.43%	15212	187.87%
	15212	118.10%	15221	143.43%	15208	187.87%
	15203	118.23%	15216	144.03%	15205	187.87%
	15212	118.30%	15212	144.07%	15213	187.87%
	15220	118.53%	15204	144.23%	15217	187.89%
	15207	118.80%	15204	144.52%	15220	188.29%
	15212	119.00%	15201	145.85%	15226	189.18%
	15207	119.52%	15212	146.77%	15217	190.55%
	15212	119.52%	15212	146.77%	15224	191.24%
	15226	119.52%	15221	146.77%	15221	191.24%
	15210	119.52%	15210	146.77%	15212	191.24%
	15201	119.52%	15219	147.41%	15208	191.24%
	15226	119.52%	15213	147.41%	15217	192.83%

	15203	119.52%	15212	147.73%	15205	194.90%
	15203	119.52%	15214	148.44%	15214	198.41%
	15217	119.75%	15209	148.54%	15203	199.20%
	15220	119.92%	15212	148.72%	15227	199.20%
	15224	120.00%	15221	148.72%	15226	199.20%
	15206	120.02%	15207	149.40%	15210	199.20%
	15220	120.11%	15226	149.40%	15203	199.20%
	15234	120.26%	15214	150.00%	15201	199.20%
	15210	120.88%	15204	150.28%	15207	199.20%
	15212	121.12%	15206	151.08%	15203	199.61%
	15204	121.27%	15227	151.35%	15210	199.84%
	15216	121.34%	15219	151.39%	15217	199.85%
	15219	123.02%	15226	151.39%		
	15212	123.08%	15206	151.39%		
	15206	123.27%	15224	151.65%		
	15212	123.29%	15210	152.58%		
	15210	123.29%	15212	152.59%		
	15220	123.29%	15206	152.64%		
	15213	123.29%	15216	153.85%		
	15204	123.29%	15233	153.85%		
	15212	123.29%	15219	153.85%		
	15212	123.29%	15201	153.85%		
	15212	123.29%	15212	154.80%		
	15210	123.29%	15214	154.87%		
	15211	123.29%	15210	156.11%		
	15214	123.51%	15211	157.29%		
	15214	123.51%	15212	157.37%		
	15212	123.63%	15212	157.69%		
	15221	123.76%	15214	158.02%		
	15214	123.82%	15221	158.02%		
	15226	123.90%	15201	158.09%		
	15210	123.99%	15207	158.51%		
	15224	124.30%	15212	159.36%		
	15219	124.70%	15206	159.36%		
	15212	124.99%	15211	159.36%		
	15201	125.10%	15216	159.36%		
	15212	125.18%	15207	159.36%		
	15212	125.48%	15207	159.36%		
	15206	125.48%	15210	159.36%		
	15206	125.48%	15203	159.36%		
	15207	125.90%	15217	159.36%		
	15210	126.03%	15205	161.04%		
	15224	126.37%	15210	161.54%		
	15208	126.74%	15219	162.66%		

	15219	126.92%	15206	162.66%	
	15219	127.05%	15220	162.66%	
	15214	127.24%	15221	162.66%	
	15203	127.49%	15224	162.66%	
	15206	127.49%	15201	162.67%	
	15211	127.49%	15211	164.02%	
	15207	127.73%	15226	164.23%	
	15226	128.19%	15210	164.38%	
	15220	128.19%	15226	164.38%	
	15233	128.29%	15217	164.38%	
	15234	128.53%	15224	164.38%	
	15206	128.53%	15201	164.54%	
	15212	129.00%	15201	165.03%	
	15220	129.00%	15226	165.10%	
	15214	129.16%	15214	165.74%	
	15207	129.16%	15212	167.31%	
	15212	129.16%	15212	167.33%	
	15214	129.16%	15219	167.33%	
	15207	129.16%	15210	167.33%	
	15220	129.16%	15216	167.33%	
	15206	129.24%	15219	167.33%	
	15216	129.27%	15217	168.05%	
	15217	129.40%	15208	169.16%	
	15219	129.48%	15210	169.23%	
	15220	129.48%	15217	170.17%	
	15227	129.64%	15206	170.25%	
	15214	129.80%	15216	170.59%	
	15209	130.01%	15206	171.00%	
	15211	130.04%	15211	171.19%	
	15235	130.12%	15205	173.08%	
	15216	130.13%	15212	173.19%	
	15226	130.13%	15212	173.87%	
	15205	130.13%	15219	174.34%	
	15226	130.13%	15208	175.30%	
	15220	130.36%	15207	175.30%	
	15204	130.57%	15212	175.48%	
	15210	130.70%	15206	176.02%	
	15209	130.77%	15206	176.10%	
	15212	131.22%	15204	176.13%	
	15204	131.22%	15219	176.13%	
	15226	131.22%	15210	176.13%	
	15226	131.31%	15209	176.13%	
	15206	131.47%	15201	176.13%	
	15217	131.47%	15217	176.13%	

	15212	131.47%	15203	176.13%	
	15210	131.47%	15226	176.13%	
	15210	131.47%	15206	176.13%	
	15232	131.78%	15206	176.13%	
	15213	131.79%	15212	176.61%	
	15210	131.95%	15206	176.61%	
	15210	132.39%	15201	177.29%	
	15220	132.43%	15206	178.00%	
	15227	132.46%	15204	178.47%	
	15220	132.57%	15210	178.49%	
	15212	132.67%	15212	180.14%	
	15217	132.69%	15217	181.75%	
	15212	132.83%	15206	182.00%	
	15206	133.15%	15217	182.51%	
	15208	133.31%	15208	183.27%	
	15207	133.86%	15217	183.65%	
	15220	134.62%	15120	184.73%	
	15207	134.66%	15201	185.42%	
	15210	134.78%	15106	185.52%	
	15221	135.03%	15217	185.74%	
	15208	135.03%	15214	185.90%	
	15219	135.03%	15224	185.90%	
	15219	135.46%	15227	185.90%	
	15226	135.46%	15207	185.90%	
	15210	135.46%	15224	185.90%	
	15206	135.46%	15210	187.69%	
	15221	135.46%	15214	187.87%	
	15219	135.46%	15227	187.87%	
	15214	135.46%	15212	187.87%	
	15234	136.18%	15210	188.45%	
	15219	136.50%	15216	188.75%	
	15208	136.57%	15219	188.92%	
	15234	136.57%	15207	190.10%	
	15204	136.57%	15210	190.55%	
	15219	136.81%	15206	191.24%	
	15224	137.05%	15212	191.24%	
	15204	137.14%	15203	191.24%	
	15206	137.44%	15207	191.24%	
	15212	138.22%	15226	192.13%	
	15210	138.46%	15206	192.31%	
	15203	138.46%	15224	192.31%	
	15204	138.87%	15206	192.31%	
	15233	139.36%	15233	192.43%	
	15214	139.43%	15210	192.56%	

	15206	139.43%	15206	192.67%	
	15235	139.43%	15206	193.39%	
	15214	139.43%	15212	193.71%	
	15206	139.43%	15211	193.74%	
	15212	139.43%	15210	194.91%	
	15235	139.43%	15227	195.20%	
	15207	139.44%	15226	195.20%	
	15212	139.44%	15226	197.26%	
	15206	139.55%	15208	198.08%	
	15204	140.08%	15226	198.82%	
	15221	140.43%	15207	199.20%	
	15206	140.84%	15206	199.20%	
	15210	140.90%	15206	199.20%	
	15219	140.90%	15226	199.20%	
	15210	140.90%	15212	199.20%	
	15201	140.90%	15204	199.38%	
	15212	141.00%	15212	199.61%	
	15219	141.06%			
	15224	141.12%			
	15207	141.29%			
	15106	141.67%			
	15212	142.54%			
	15201	142.71%			
	15204	142.77%			
	15120	142.99%			
	15233	143.43%			
	15209	143.43%			
	15206	143.43%			
	15203	143.43%			
	15224	143.92%			
	15226	144.07%			
	15212	144.07%			
	15214	144.23%			
	15216	144.30%			
	15224	145.02%			
	15224	145.90%			
	15201	146.11%			
	15212	146.44%			
	15212	146.77%			
	15212	146.77%			
	15201	146.77%			
	15210	146.77%			
	15232	146.77%			
	15226	147.41%			

	15207	147.69%	
	15212	147.97%	
	15206	147.97%	
	15212	148.72%	
	15211	148.72%	
	15204	148.72%	
	15206	148.88%	
	15206	149.40%	
	15206	149.52%	
	15212	150.29%	
	15210	150.84%	
	15120	150.90%	
	15221	151.13%	
	15220	151.39%	
	15212	151.39%	
	15214	151.39%	
	15224	151.63%	
	15212	152.11%	
	15206	153.23%	
	15226	154.93%	
	15212	155.34%	
	15205	155.58%	
	15205	155.86%	
	15208	155.93%	
	15208	156.46%	
	15206	156.52%	
	15219	157.71%	
	15217	159.12%	
	15210	159.36%	
	15204	159.36%	
	15211	159.36%	
	15206	159.36%	
	15224	159.36%	
	15210	159.36%	
	15211	159.36%	
	15211	159.36%	
	15217	159.36%	
	15219	159.36%	
	15211	159.36%	
	15217	159.36%	
	15224	159.36%	
	15206	160.00%	
	15216	160.80%	
	15226	161.45%	

	15210	161.98%	
	15233	162.66%	
	15219	162.66%	
	15204	164.38%	
	15227	164.38%	
	15224	164.38%	
	15212	164.38%	
	15214	164.38%	
	15211	165.84%	
	15201	166.14%	
	15226	166.27%	
	15204	166.73%	
	15219	166.99%	
	15206	167.20%	
	15201	167.31%	
	15224	167.31%	
	15206	167.33%	
	15206	167.91%	
	15204	168.45%	
	15211	169.08%	
	15204	169.23%	
	15205	169.24%	
	15213	169.88%	
	15214	170.07%	
	15210	170.59%	
	15217	171.19%	
	15218	171.59%	
	15206	171.96%	
	15226	173.08%	
	15219	175.30%	
	15210	175.30%	
	15214	176.13%	
	15206	176.13%	
	15203	176.13%	
	15204	176.13%	
	15220	176.13%	
	15218	176.13%	
	15212	176.13%	
	15210	176.13%	
	15216	176.13%	
	15206	176.13%	
	15206	176.61%	
	15210	176.61%	
	15210	176.61%	

	15207	179.60%	
	15203	181.12%	
	15226	181.12%	
	15212	181.35%	
	15217	181.62%	
	15206	183.27%	
	15203	183.27%	
	15214	183.27%	
	15203	183.27%	
	15219	183.27%	
	15210	183.27%	
	15204	183.67%	
	15210	184.62%	
	15226	184.74%	
	15216	185.87%	
	15210	185.90%	
	15224	185.90%	
	15212	185.90%	
	15224	185.90%	
	15212	187.87%	
	15211	187.87%	
	15212	188.60%	
	15205	189.88%	
	15212	190.52%	
	15233	191.24%	
	15214	191.24%	
	15212	191.24%	
	15226	192.31%	
	15206	192.43%	
	15214	193.74%	
	15204	194.62%	
	15216	196.83%	
	15201	197.55%	
	15211	198.68%	
	15210	199.20%	
	15206	199.20%	
	15217	199.20%	
	15217	199.20%	
	15207	199.20%	
	15219	199.20%	
	15211	199.20%	
	15219	199.20%	
	15227	199.20%	
	15217	199.20%	

Average usage	3,121 gallons	3,230 gallons	2,949 gallons
Average bill including ALCOSAN charges	\$118.13	\$124.83	\$117.40
Number of PWSA customers receiving a PWSA hardship grant	324	325	259

*The number of low-income customer accounts receiving a notice of disconnection for nonpayment was reported in July 2024 as 9,388 in error; 2,929 is the correct number. We apologize for any confusion.

Appendix E – Call Center Metrics and Customer Service Monthly Reports

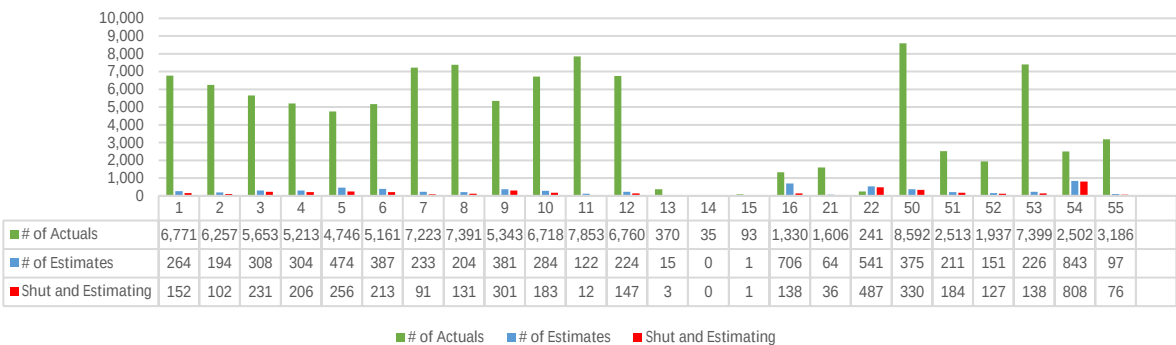
Metric	October 2024	November 2024	December 2024
Abandoned Calls (% of total calls)	1.9%	3%	3%
Automatic Call Distributor (ACD) Handling Time (minutes)	4:58	5:03	4:45
Average Speed of Answer (minutes)	0:37	1:10	0:51
Customer Service Representative Staffing (FTE – Full Time Equivalents)	16 FTE's 1 PTE	15 FTE's 1 PTE	15 FTE's 1 PTE
Customer Satisfaction (customer survey)	99.9%	99.9%	99.9%
Service Level %	89.2%	79.1%	84.5%

CUSTOMER SERVICE MONTHLY REPORT

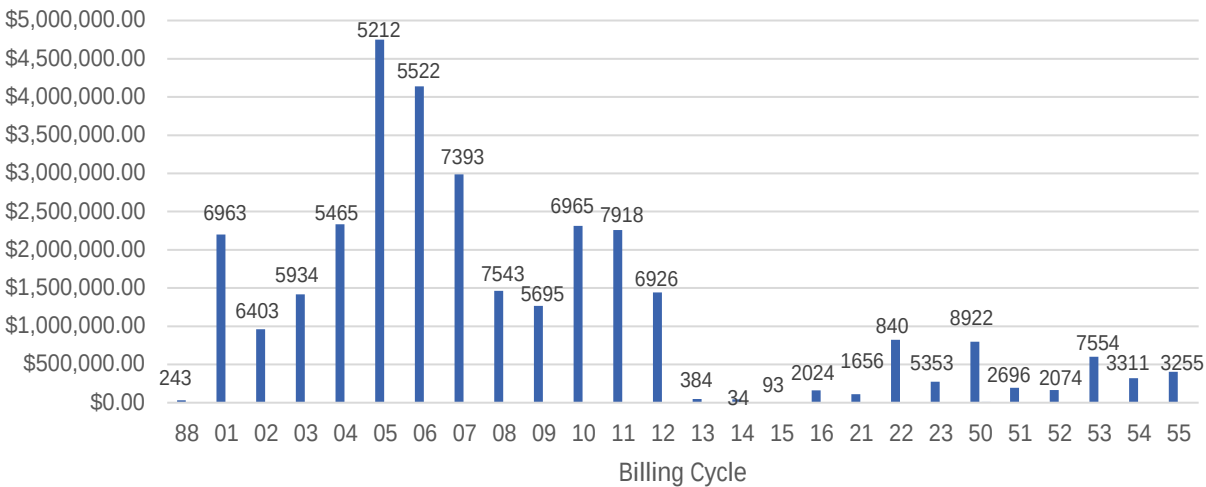
AMI and BILLING – OCTOBER 2024

The Non-Access Campaign continues to address the 1,917 aged actual meter readings and the 2,418 estimated meter readings. Under the PA PUC Compliance Plan, customers are to be notified via letters and posting notices to make appointments for a meter upgrade. PWSA successfully upgraded 780 meters in October 2024. Additionally, 2,652 letters were issued, 680 properties were posted, and 68 properties were shut for non-access. In October, PWSA achieved an actual meter reading rate of 97.80%. Billing also received and processed 374 final bill requests. Billing totals for the month of October 2024 were 116,378 bills produced in the amount of \$30,836,122.88.

Billed Actual vs. Estimated Readings October 2024



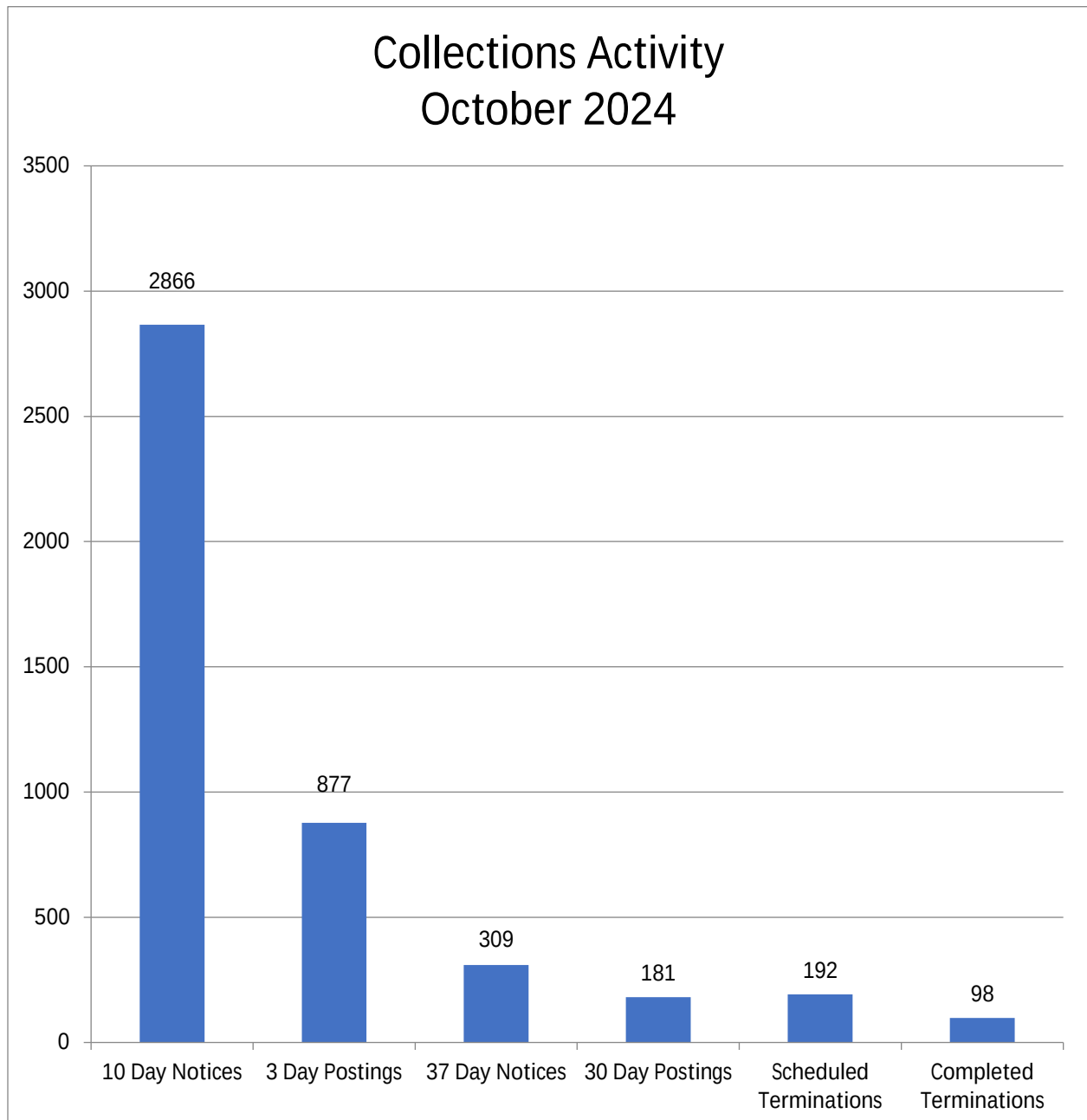
Billed Amounts in October



CUSTOMER SERVICE MONTHLY REPORT

COLLECTIONS – OCTOBER 2024

In October 2024, the total Collections were \$33,253,428 which was \$2,050,088 *more* than what was billed in September 2024. Out of a total of 2,079 customer inquiries to info@pgh2o.com, Collections personnel responded to 2,079 all within 48 hours. Payment plans for the month of October 2024 totaled 8,781 and there were 7,904 customers enrolled in the Bill Discount Program. The below chart represents activity on both residential and non-residential accounts.

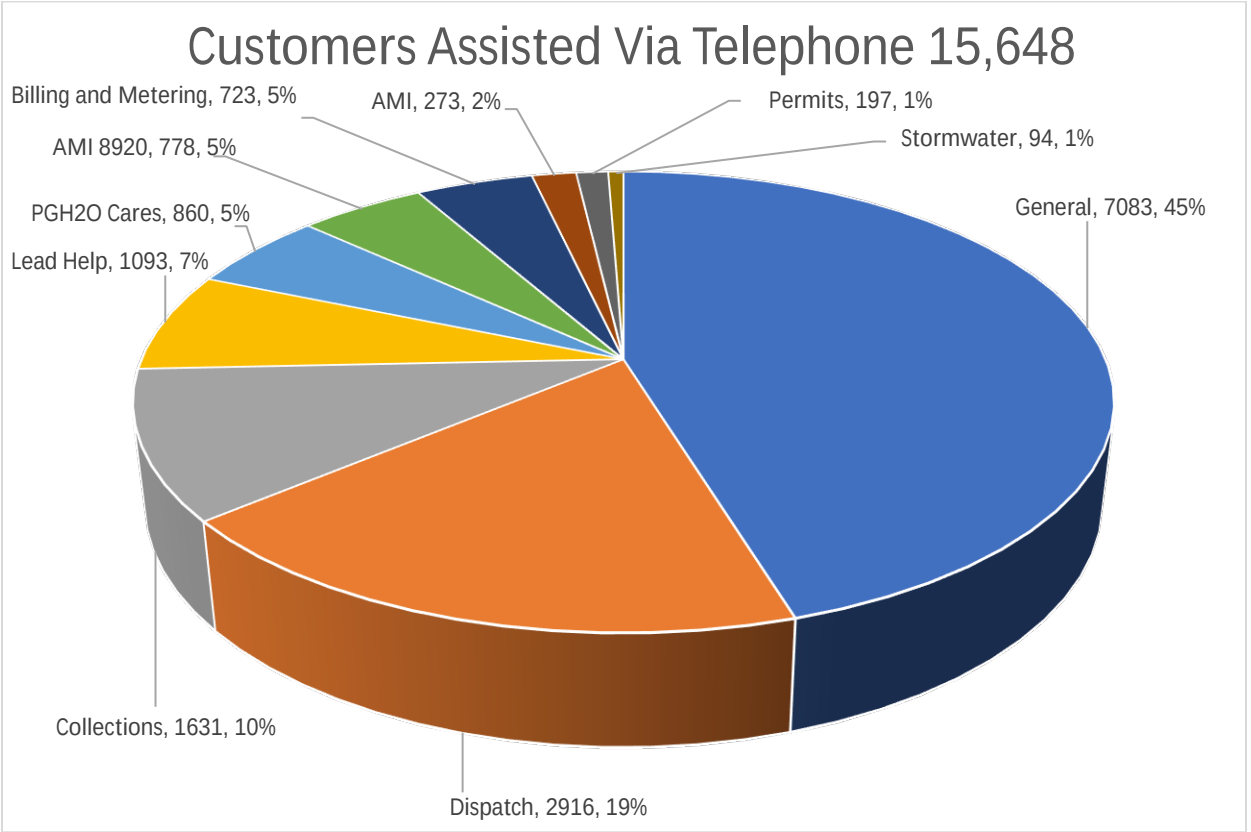


CUSTOMER SERVICE MONTHLY REPORT

CONTACT CENTER – OCTOBER 2024

There were 23 business days in the month of October 2024. In the month of October, the Contact Center’s attendance rate reduced to 16 full time employees and 1 part time employee. Of the 15,648 calls handled in the month of October 2024, the Contact Center yielded an abandonment rate of 1.9% with an average speed of answer of 37 seconds.

Queue Group Performance by Queue								
1 - All Queues								
10/1/2024 - 10/31/2024 - 00:00 - 24:00								
Created on 11/1/2024 7:06:08 AM by pwsa\TJones								
ACD queue	ACD queue name	ACD calls offered	ACD calls handled	Average speed of answer (hh:mm:ss)	Average ACD handling time (hh:mm:ss)	Abandon %	Service level %	Answer %
P001	General	7336	7083	00:00:52	00:05:57	2.2%	83.1%	96.6%
P004	Dispatch	2949	2916	00:00:13	00:02:20	1.1%	97.8%	98.9%
P002	Collections	1696	1631	00:00:55	00:06:33	1.9%	81.4%	96.2%
P318	Lead Help	1194	1093	00:00:08	00:04:04	0.8%	100.0%	91.5%
P317	PGH2O Cares	1002	860	00:00:11	00:04:22	4.5%	100.0%	85.8%
P006	AMI 8920	982	778	00:00:09	00:04:22	0.8%	100.0%	79.2%
P003	Billing and Metering	751	723	00:00:53	00:05:33	2.3%	83.0%	96.3%
P005	AMI	276	273	00:00:31	00:04:16	1.1%	94.6%	98.9%
P008	Permits	204	197	00:00:09	00:02:30	0.0%	100.0%	96.6%
P009	Stormwater	100	94	00:00:48	00:08:16	5.0%	85.0%	94.0%
Totals		16490	15648	00:00:37	00:04:58	1.9%	89.2%	94.9%

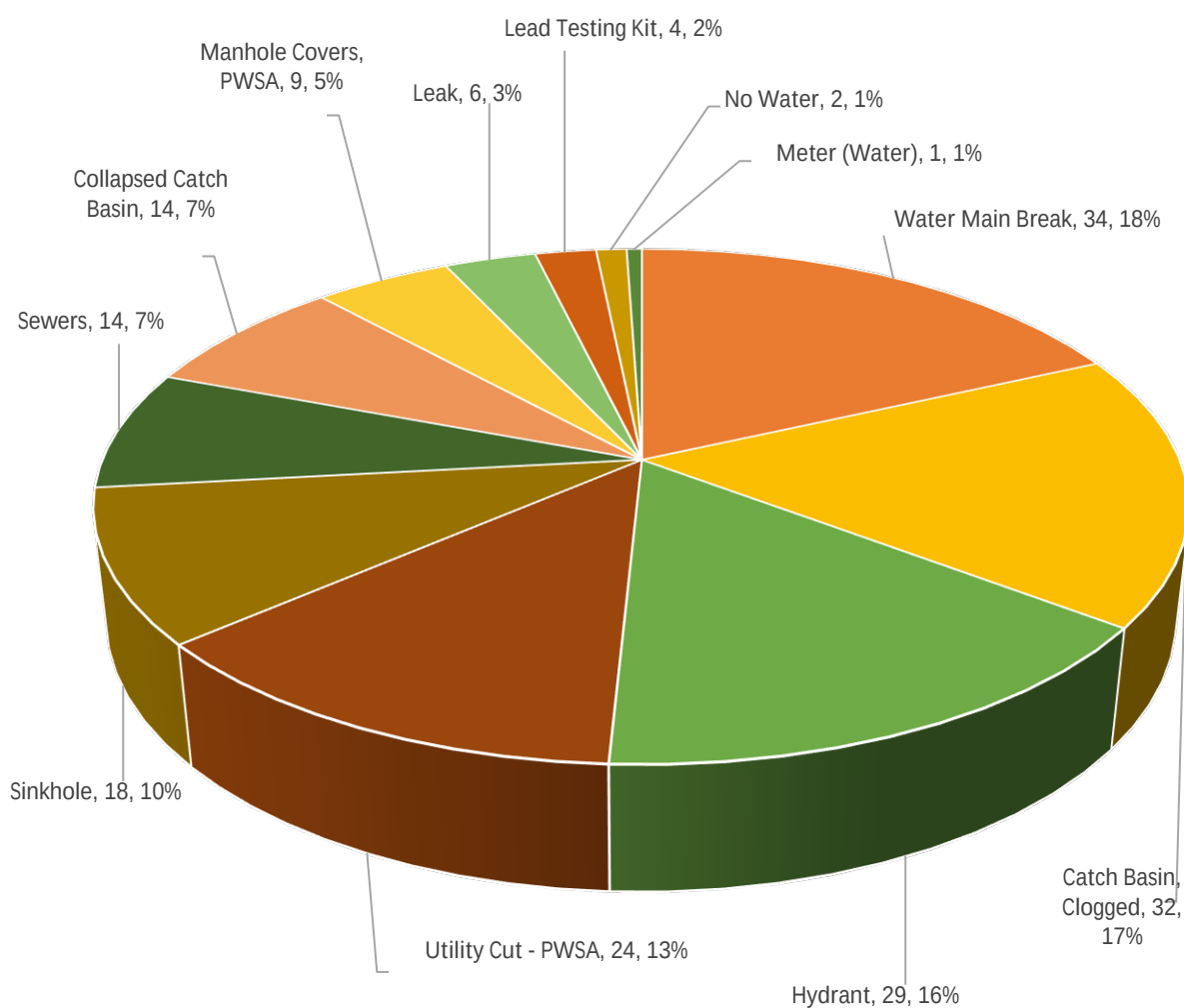


CUSTOMER SERVICE MONTHLY REPORT

DISPATCH – OCTOBER 2024

Dispatch responded to 2,916 calls for emergency service in October 2024. In this month, the Dispatchers issued 99 Interruptions of Service and facilitated 198 dig requests to Pennsylvania One Call.

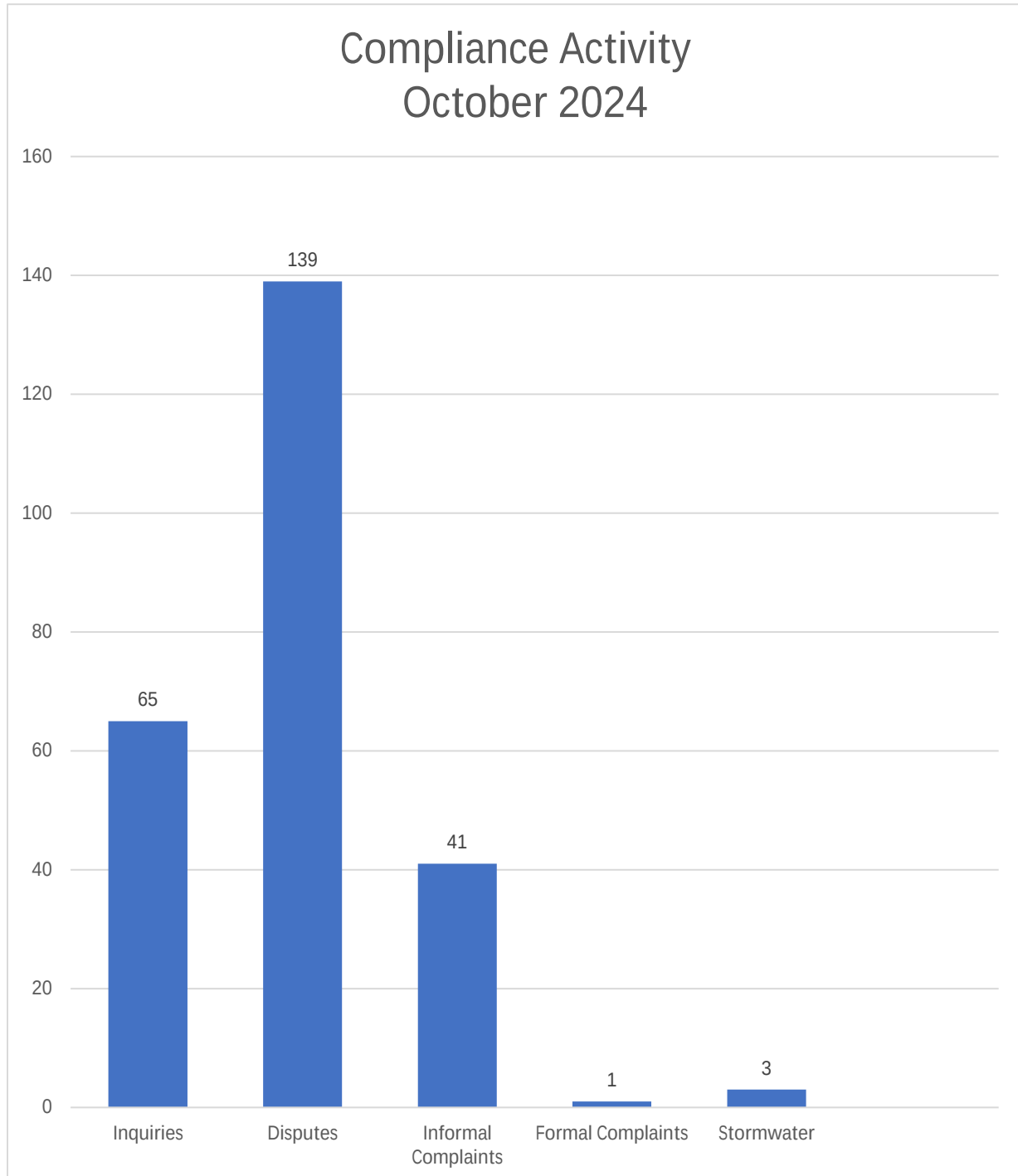
311 Mayor's Service Center Complaints Handled October 2024



CUSTOMER SERVICE MONTHLY REPORT

PUC COMPLIANCE – OCTOBER 2024

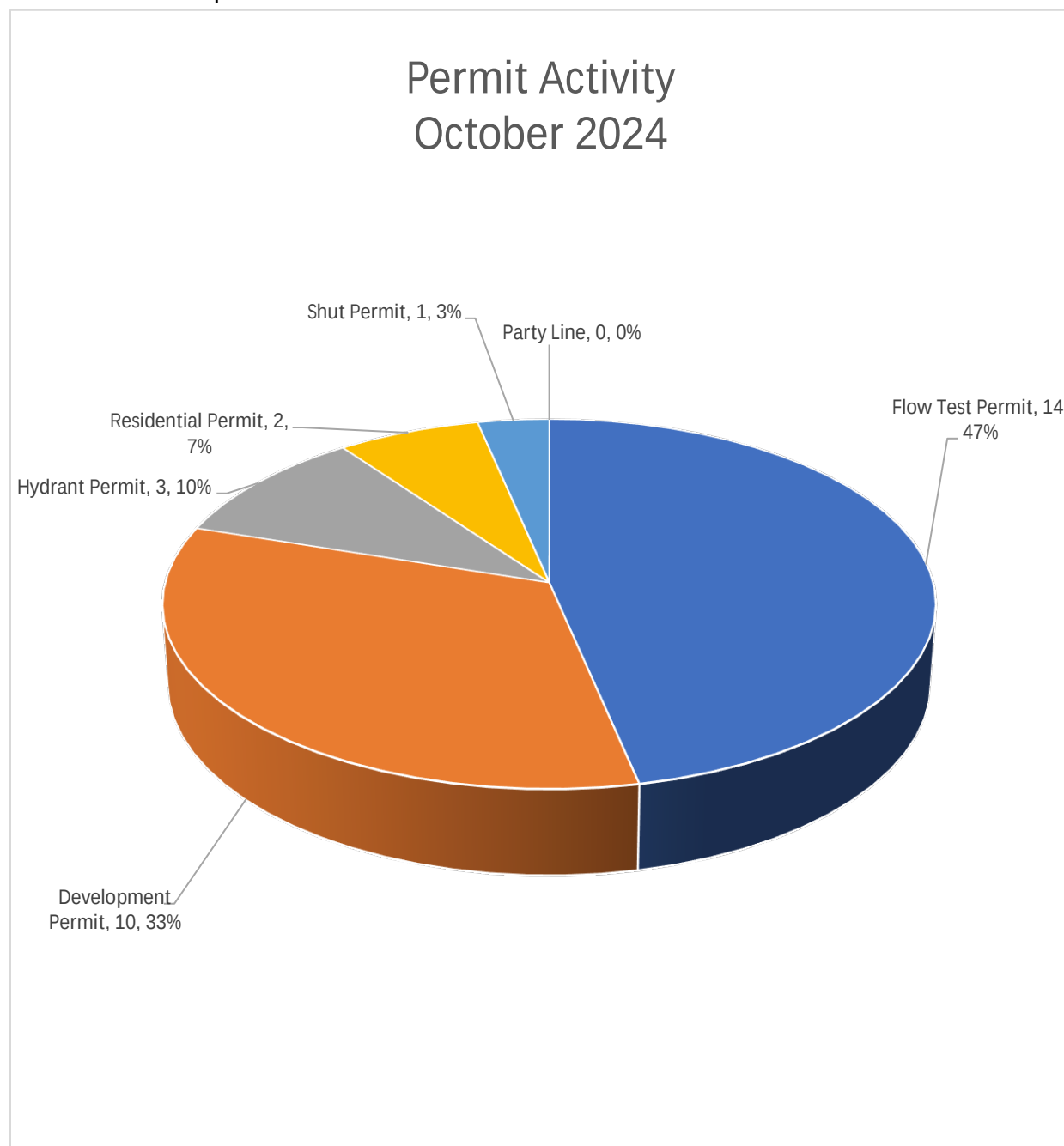
PWSA received 65 Inquiries, 139 Disputes, 41 Informal Complaints, 1 Formal Complaints, and 3 Stormwater Inquiries in the month of October 2024.



CUSTOMER SERVICE MONTHLY REPORT

PERMITS – OCTOBER 2024

In October 2024, staff issued 30 permits as illustrated below. Additionally, Permits personnel processed 462 dye testing certification requests online, with 173 customers paying the processing fee via check and 289 paying via credit/debit card. Permits staff also assisted 197 customers via telephone in the month of October 2024.

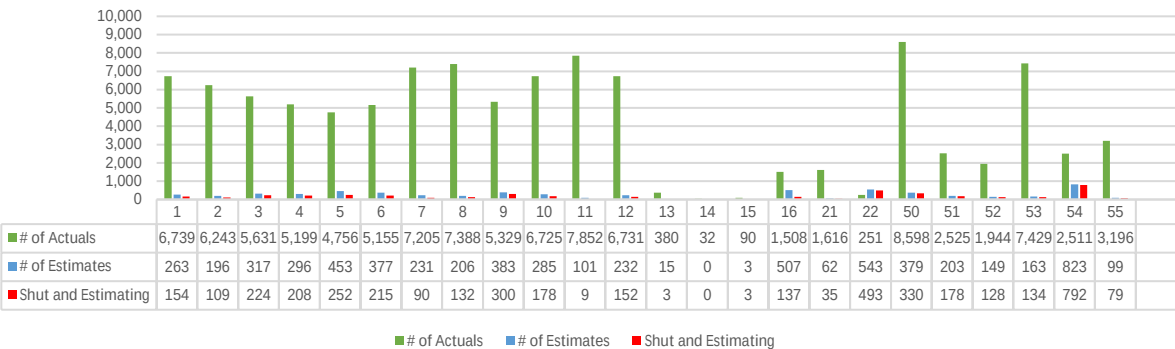


CUSTOMER SERVICE MONTHLY REPORT

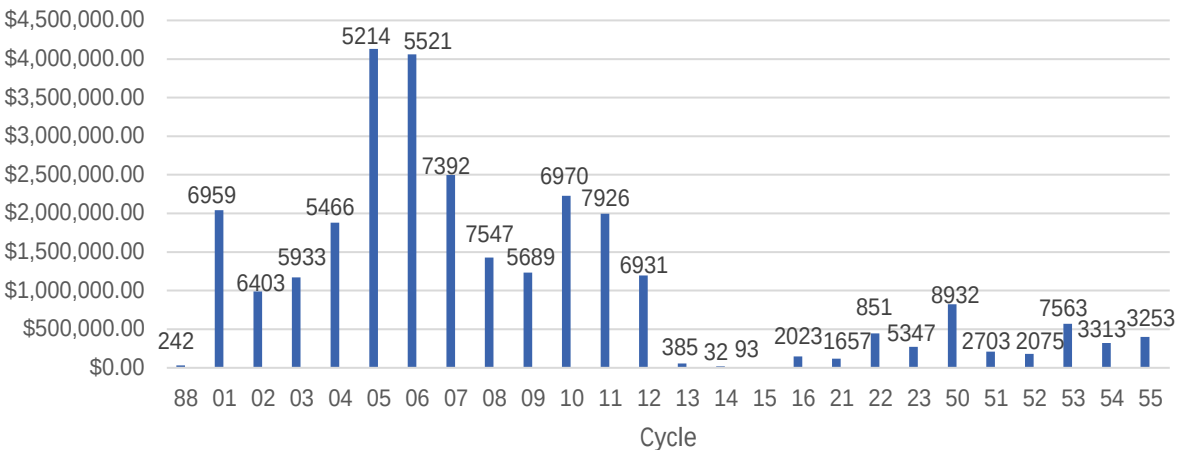
AMI and BILLING – NOVEMBER 2024

The Non-Access Campaign continues to address the 1,877 aged actual meter readings and the 2,699 estimated meter readings. Under the PA PUC Compliance Plan, customers are to be notified via letters and posting notices to make appointments for a meter upgrade. Pittsburgh Water successfully upgraded 638 meters in November 2024. Additionally, 226 letters were issued, 512 properties were posted, and 69 properties were shut for non-access. In November, Pittsburgh Water achieved an actual meter reading rate of 97.91%. Billing also received and processed 329 final bill requests. Billing totals for the month of November 2024 were 116,420 bills produced in the amount of \$28,341,112.89.

Billed Actual vs. Estimated Readings November 2024



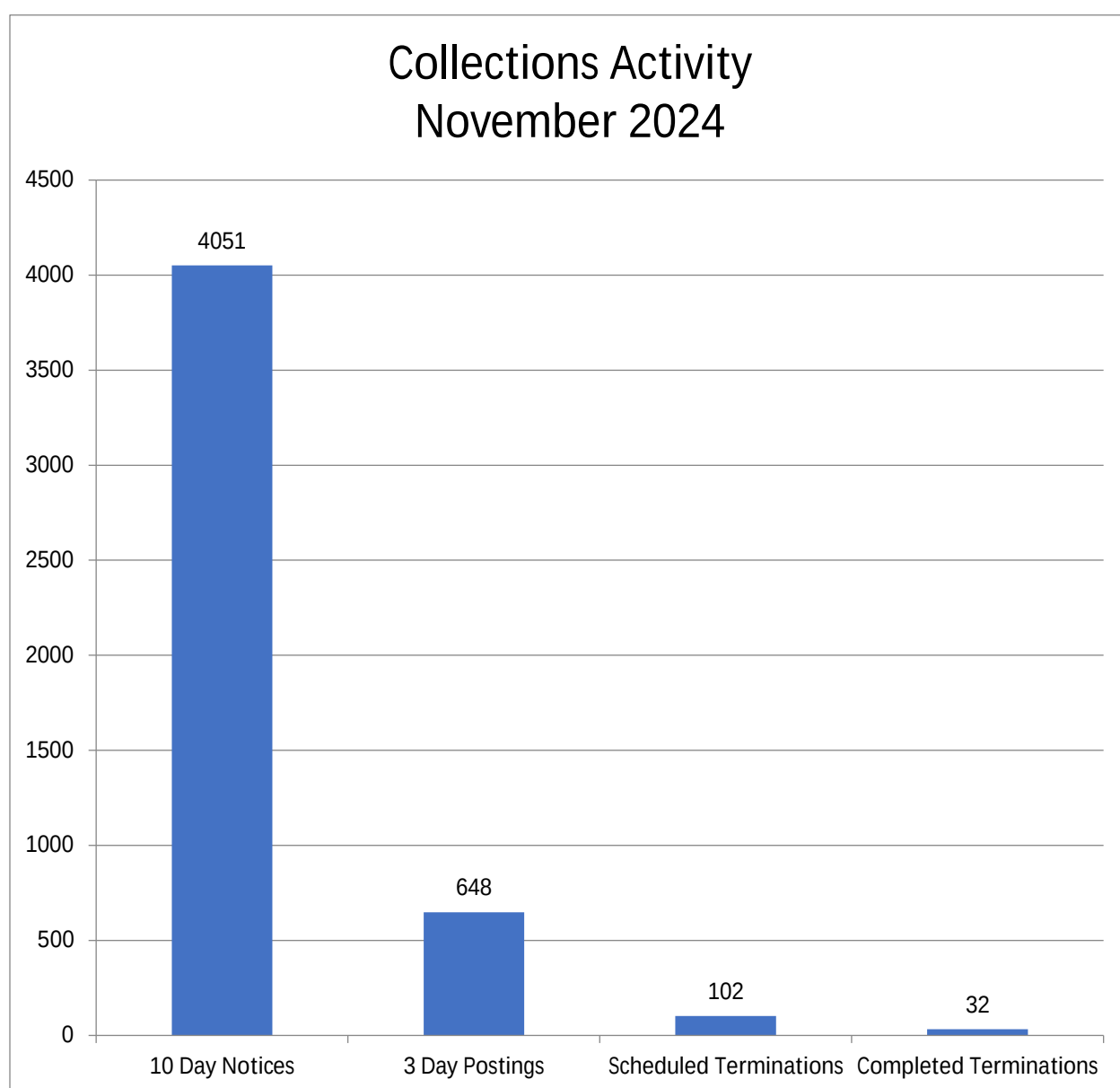
Billed Amounts in November



CUSTOMER SERVICE MONTHLY REPORT

COLLECTIONS – NOVEMBER 2024

In November 2024, the total Collections were \$22,603,778, which was \$8,232,345 less than what was billed in October 2024. Out of a total of 1,690 customer inquiries to info@pgh2o.com, Collections personnel responded to 1,690 all within 48 hours. Payment plans for the month of November 2024 totaled 8,845 and there were 7,996 customers enrolled in the Bill Discount Program. The below chart represents activity on both residential and non-residential accounts.



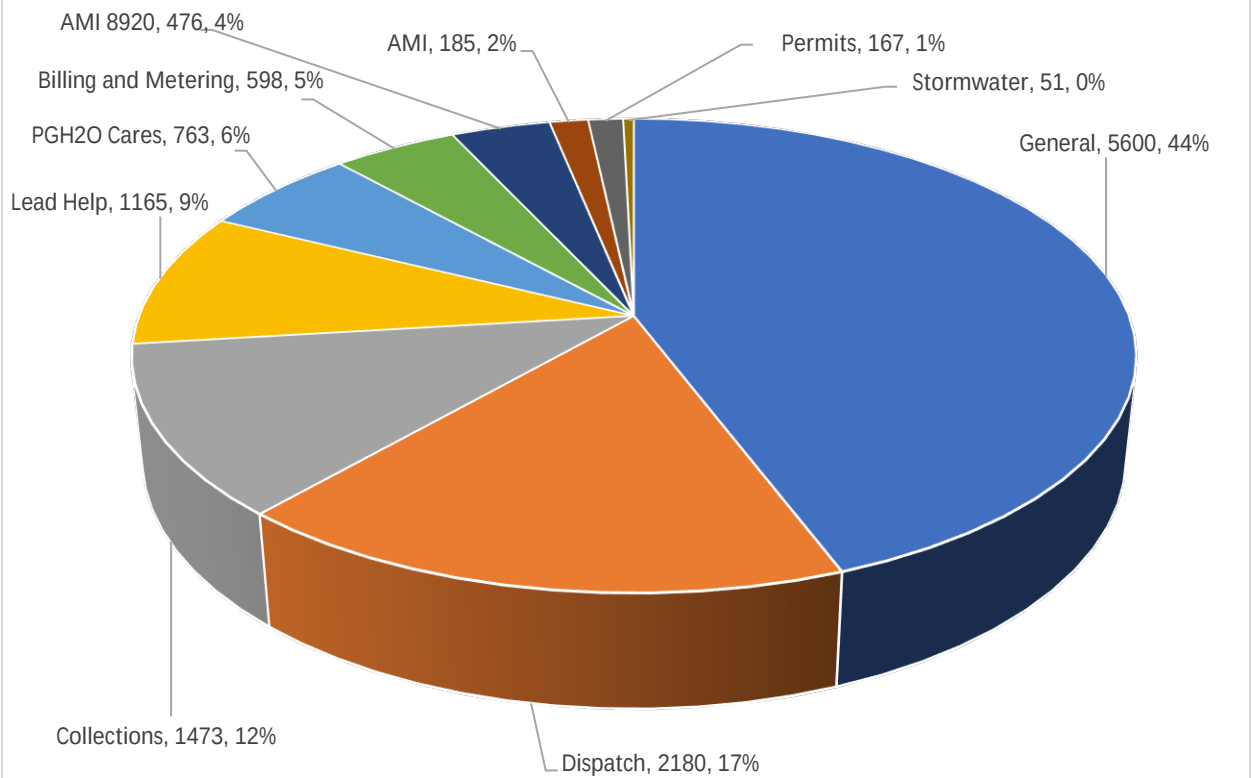
CUSTOMER SERVICE MONTHLY REPORT

CONTACT CENTER – NOVEMBER 2024

There were 17 business days in the month of November 2024. In the month of November, the Contact Center’s attendance rate reduced to 15 full time employees and 1 part time employee. Of the 12,658 calls handled in the month of November 2024, the Contact Center yielded an abandonment rate of 3.0% with an average speed of answer of 1 minute and 10 seconds.

Queue Group Performance by Queue											
1 - All Queues											
11/1/2024 - 11/30/2024 - 00:00 - 24:00											
Created on 12/1/2024 7:02:52 AM by pwsaTJones											
ACD queue	ACD queue name	ACD calls offered	ACD calls handled	Average speed of answer (hh:mm:ss)	Average delay to abandon (hh:mm:ss)	Average delay to interflow (hh:mm:ss)	ACD handling time (hh:mm:ss)	Average ACD handling time (hh:mm:ss)	Abandon %	Service level %	Answer %
P001	General	6026	5600	00:01:43	00:01:42	00:02:54	572:45:02	00:06:08	4.2%	67.3%	92.9%
P004	Dispatch	2205	2180	00:00:09	00:00:36	00:00:00	84:59:04	00:02:20	1.1%	99.3%	98.9%
P002	Collections	1622	1473	00:02:04	00:02:02	00:03:07	150:53:56	00:06:09	3.8%	62.9%	90.8%
P318	Lead help	1347	1165	00:00:10	00:00:08	00:00:30	72:35:34	00:03:44	0.1%	100.0%	86.5%
P317	PGH2O Cares	898	763	00:00:11	00:00:17	00:00:31	62:27:56	00:04:55	3.9%	100.0%	85.0%
P003	Billing and Metering	659	598	00:01:53	00:01:35	00:03:01	55:43:02	00:05:35	3.8%	62.2%	90.7%
P006	AMI 8920	572	476	00:00:10	00:00:18	00:00:15	39:20:29	00:04:58	1.0%	100.0%	83.2%
P005	AMI	186	185	00:00:18	00:00:11	00:00:00	13:47:22	00:04:28	0.5%	97.3%	99.5%
P008	Permits	181	167	00:00:10	00:00:26	00:00:59	06:55:56	00:02:29	2.2%	100.0%	92.3%
P009	Stormwater	59	51	00:02:31	00:01:54	00:02:39	06:26:12	00:07:34	5.1%	61.0%	86.4%
Totals		13755	12658	00:01:10	00:01:31	00:01:34	1065:54:33	00:05:03	3.0%	79.1%	92.0%

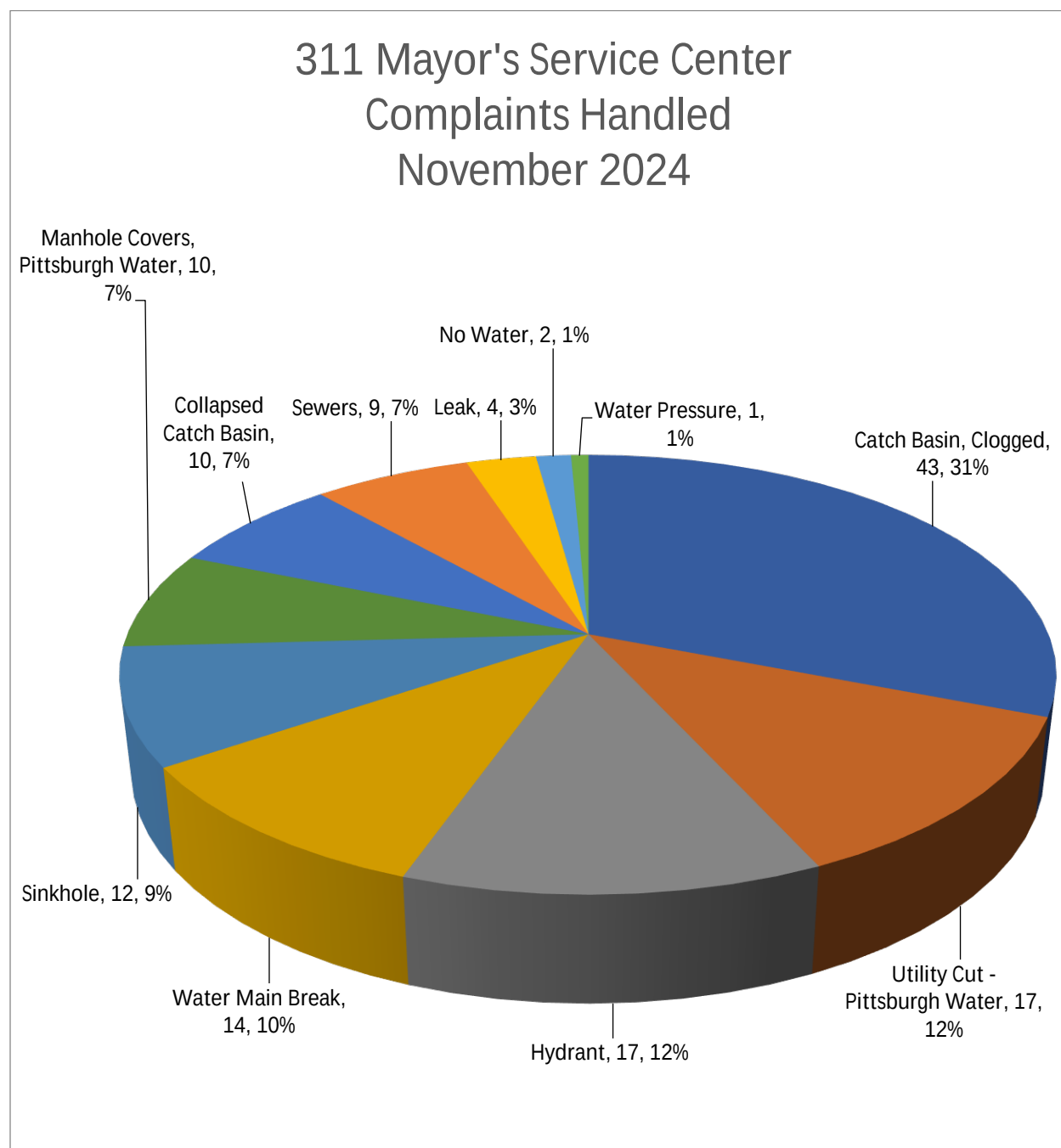
Customers Assisted Via Telephone 12,658



CUSTOMER SERVICE MONTHLY REPORT

DISPATCH – NOVEMBER 2024

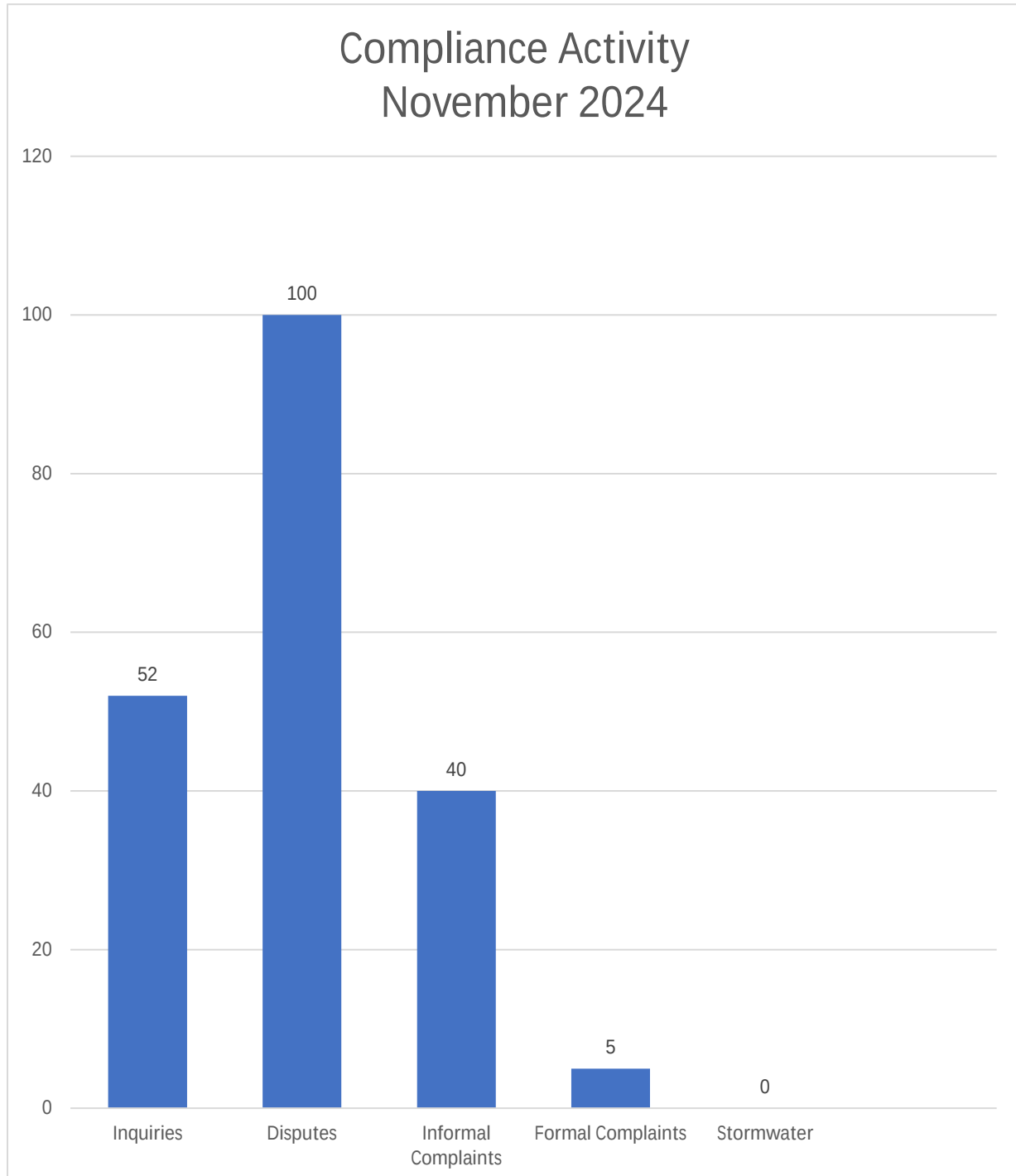
Dispatch responded to 2,180 calls for emergency service in November 2024. In this month, the Dispatchers issued 90 Interruptions of Service and facilitated 159 dig requests to Pennsylvania One Call.



CUSTOMER SERVICE MONTHLY REPORT

PUC COMPLIANCE – NOVEMBER 2024

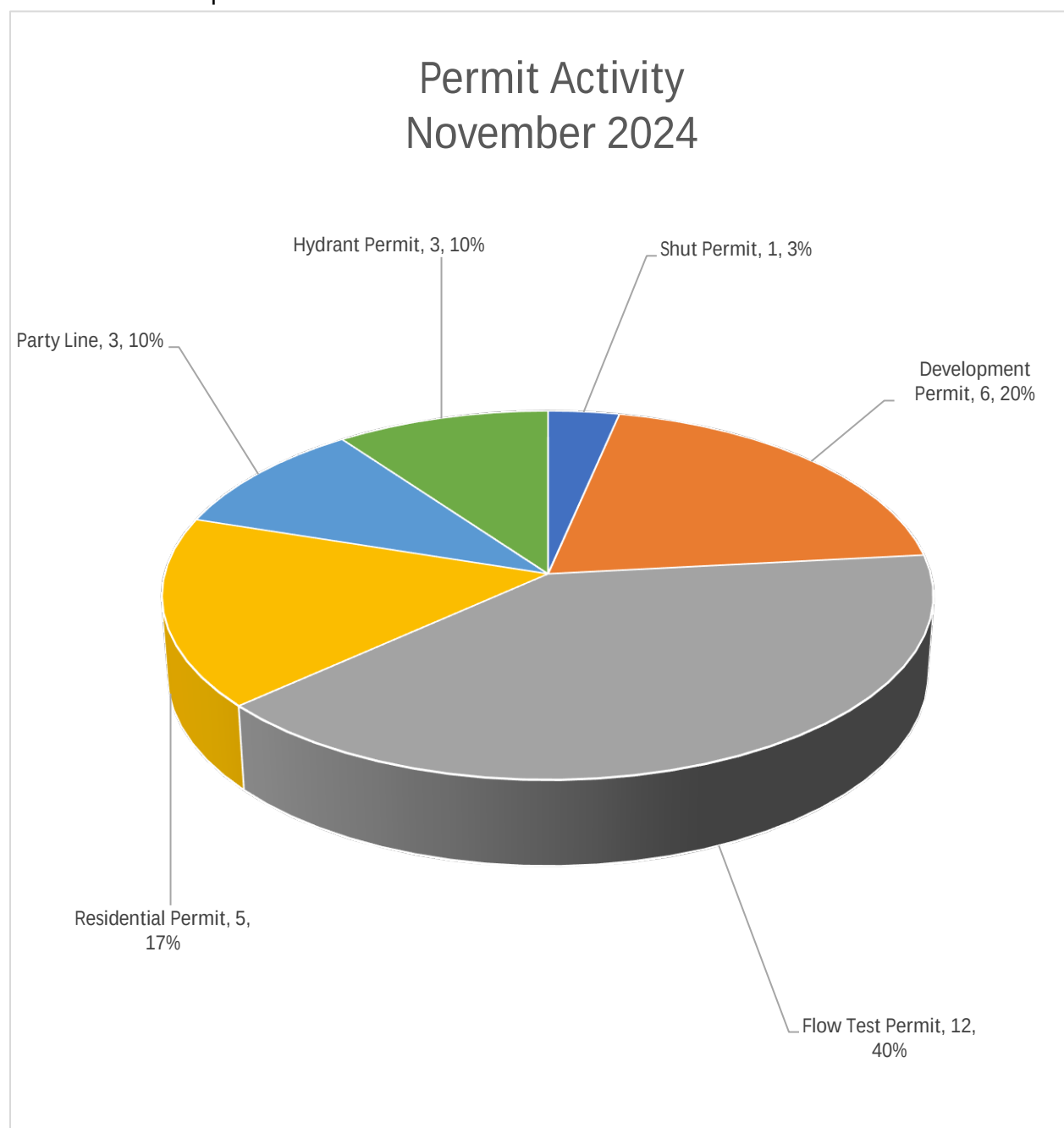
Pittsburgh Water received 52 Inquiries, 100 Disputes, 40 Informal Complaints, 5 Formal Complaints, and 0 Stormwater Inquiries in the month of October 2024.



CUSTOMER SERVICE MONTHLY REPORT

PERMITS – NOVEMBER 2024

In November 2024, staff issued 30 permits as illustrated below. Additionally, Permits personnel processed 292 dye testing certification requests online, with 72 customers paying the processing fee via check and 220 paying via credit/debit card. Permits staff also assisted 177 customers via telephone in the month of November 2024.

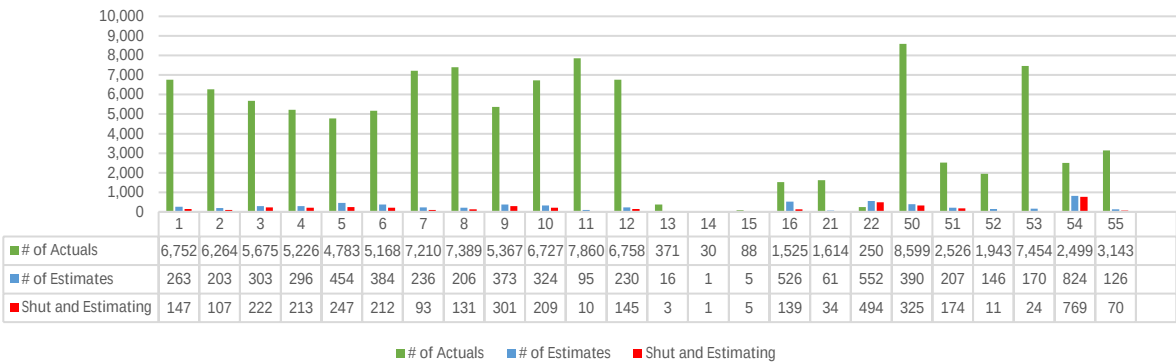


CUSTOMER SERVICE MONTHLY REPORT

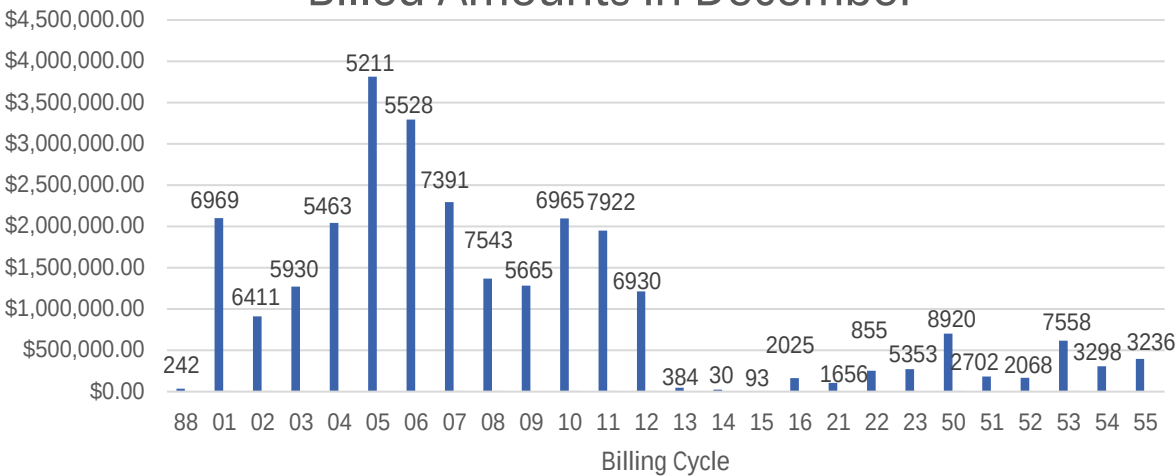
AMI and BILLING – DECEMBER 2024

The Non-Access Campaign continues to address the 1,916 aged actual meter readings and the 2,270 estimated meter readings. Under the PA PUC Compliance Plan, customers are to be notified via letters and posting notices to make appointments for a meter upgrade. Pittsburgh Water successfully upgraded 520 meters in December 2024. Additionally, 240 letters were issued, 48 properties were posted, and no properties were shut for non-access. In December, Pittsburgh Water achieved an actual meter reading rate of 97.80%. Billing also received and processed 405 final bill requests. Billing totals for the month of December 2024 were 116,348 bills produced in the amount of \$26,424,714.01.

Billed Actual vs. Estimated Readings December 2024



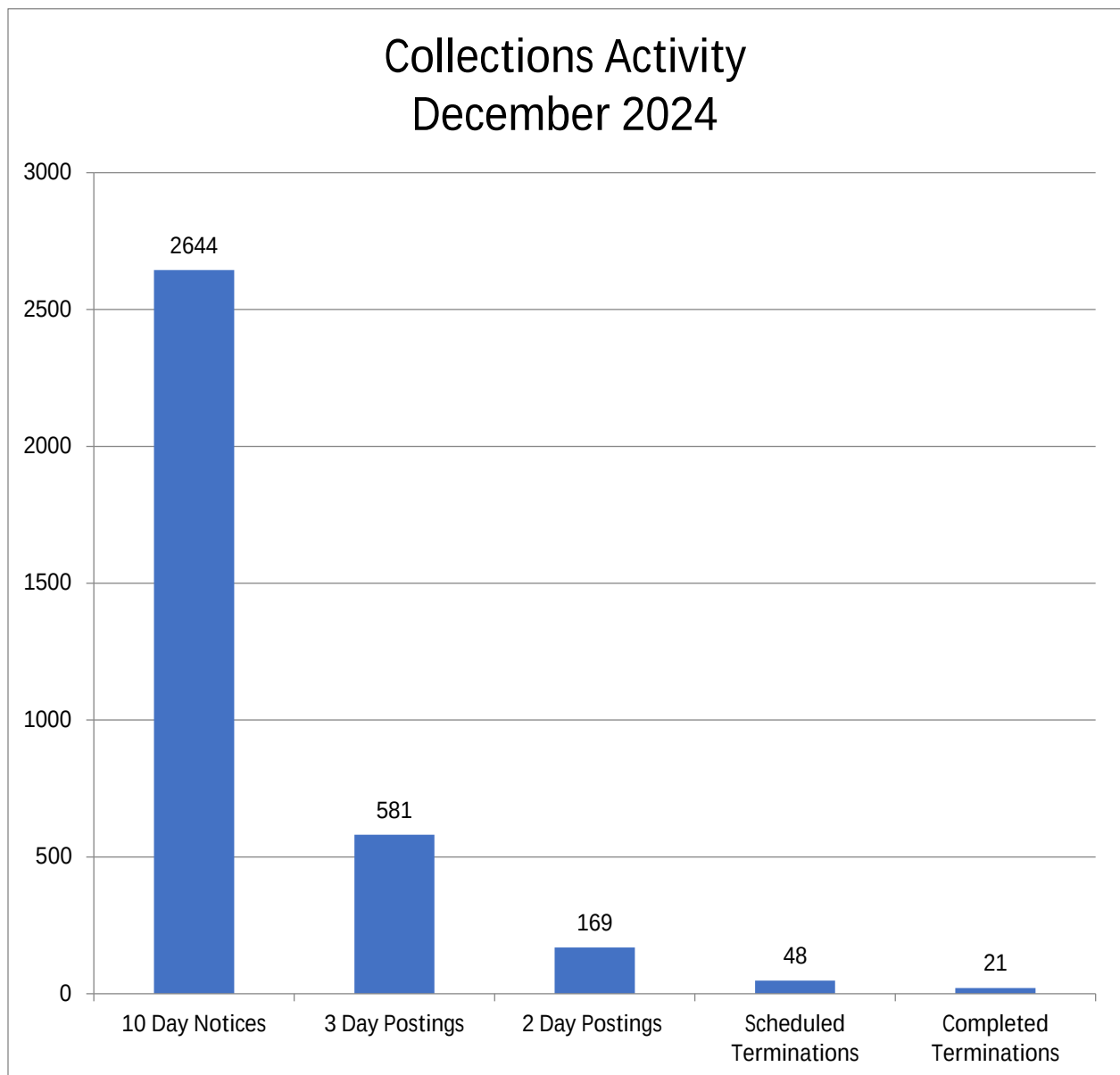
Billed Amounts in December



CUSTOMER SERVICE MONTHLY REPORT

COLLECTIONS – DECEMBER 2024

In December 2024, the total Collections were \$29,877,973 which was \$1,816,362 *more* than what was billed in November 2024. Out of a total of 1,664 customer inquiries to info@pgh2o.com, Collections personnel responded to 1,664 all within 48 hours. Payment plans for the month of December 2024 totaled 8,948 and there were 8,097 customers enrolled in the Bill Discount Program. The below chart represents activity on both residential and non-residential accounts.

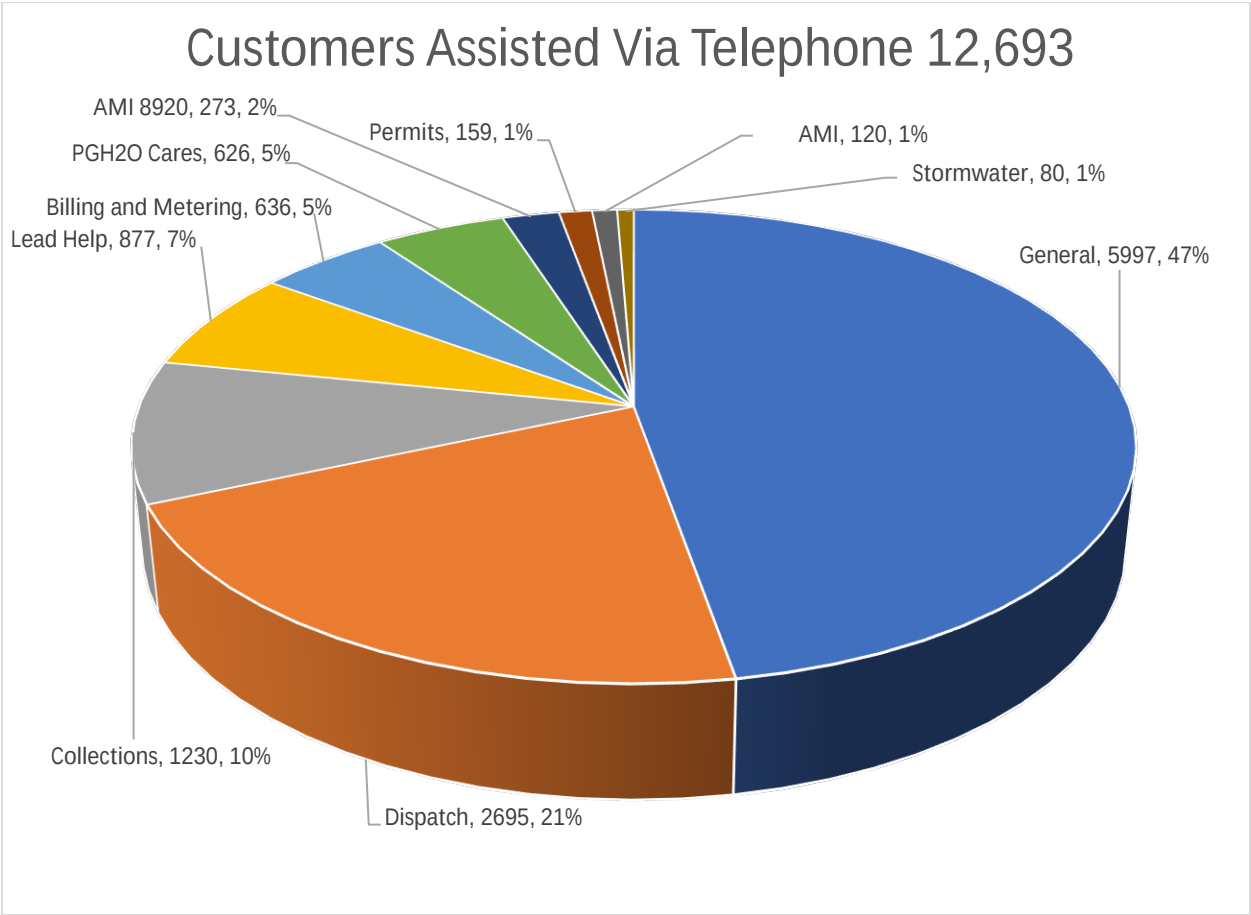


CUSTOMER SERVICE MONTHLY REPORT

CONTACT CENTER – DECEMBER 2024

There were 21 business days in the month of December 2024. In the month of December, the Contact Center’s attendance rate increased to 17 full time employees and 2 part time employees. Of the 12,693 calls handled in the month of December 2024, the Contact Center yielded an abandonment rate of 3.0% with an average speed of answer 51 seconds.

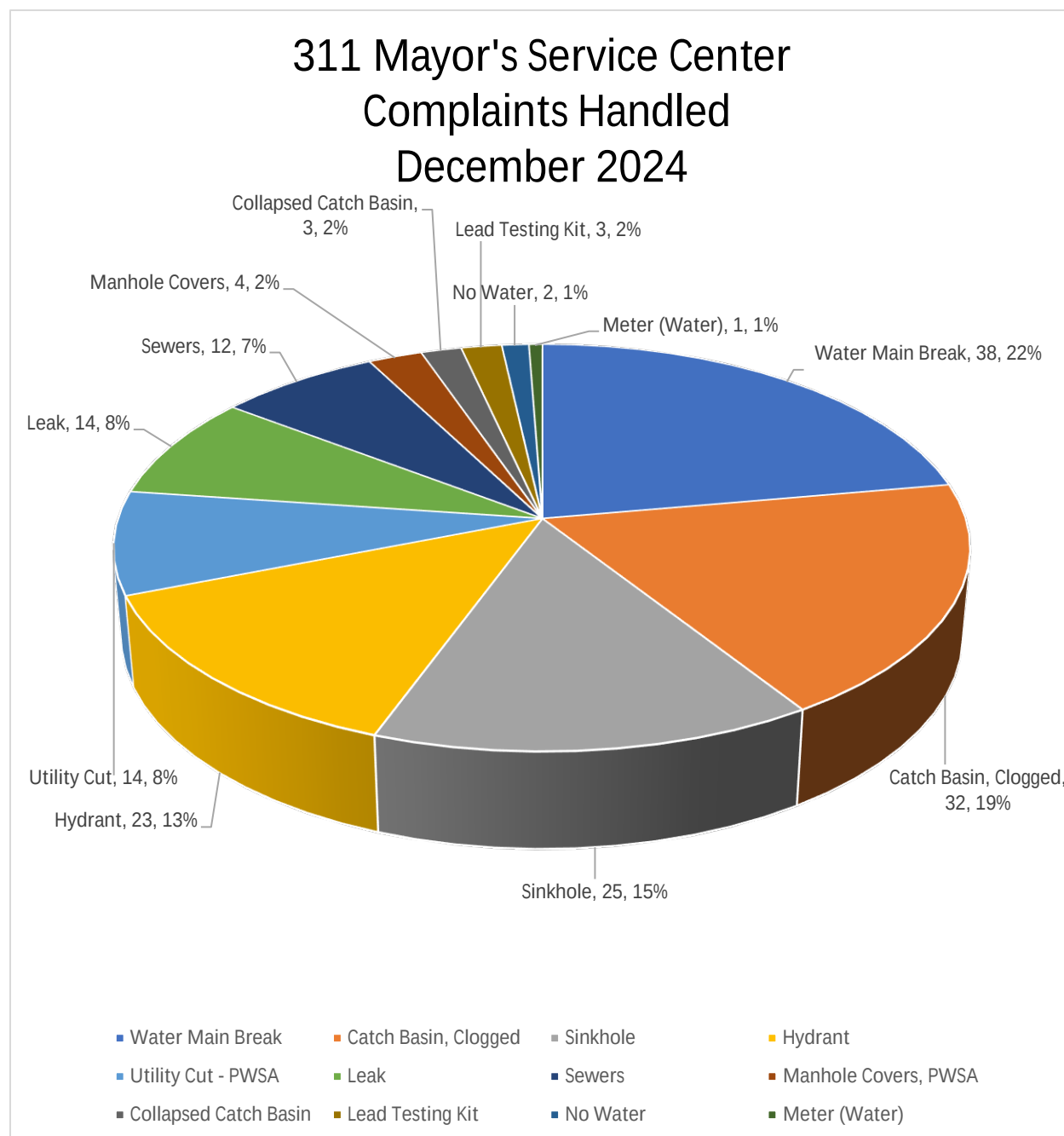
Queue Group Performance by Queue								
1 - All Queues								
12/1/2024 - 12/31/2024 - 00:00 - 24:00								
Created on 1/1/2025 7:10:25 AM by pwsa\TJones								
ACD queue	ACD queue name	ACD calls offered	ACD calls handled	Average speed of answer (hh:mm:ss)	Average ACD handling time (hh:mm:ss)	Abandon %	Service level %	Answer %
P001	General	6348	5997	00:01:12	00:05:50	3.5%	76.7%	94.5%
P004	Dispatch	2766	2695	00:00:22	00:02:13	2.6%	95.5%	97.4%
P002	Collections	1291	1230	00:01:10	00:05:39	2.2%	76.9%	95.3%
P318	Lead Help	936	877	00:00:09	00:04:01	0.3%	100.0%	93.7%
P003	Billing and Metering	686	636	00:01:11	00:05:24	4.1%	75.9%	92.7%
P317	PGH2O Cares	740	626	00:00:11	00:04:40	4.3%	100.0%	84.6%
P006	AMI 8920	342	273	00:00:09	00:04:03	2.9%	100.0%	79.8%
P008	Permits	168	159	00:00:10	00:02:37	1.2%	100.0%	94.6%
P005	AMI	121	120	00:00:18	00:04:57	0.8%	98.3%	99.2%
P009	Stormwater	90	80	00:01:10	00:05:42	3.3%	74.4%	88.9%
Totals		13488	12693	00:00:51	00:04:45	3.0%	84.5%	94.1%



CUSTOMER SERVICE MONTHLY REPORT

DISPATCH – DECEMBER 2024

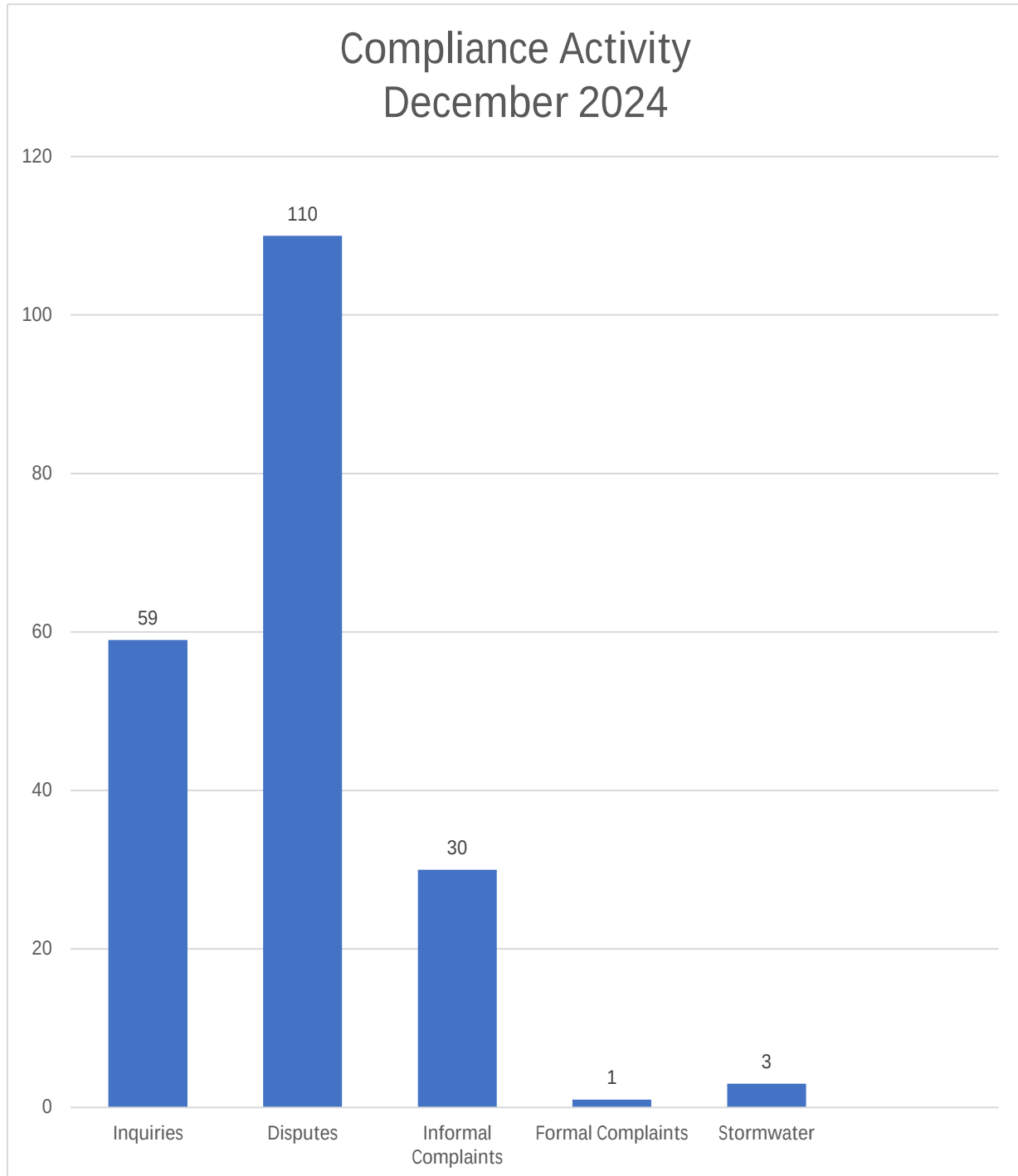
Dispatch responded to 2,695 calls for emergency service in December 2024. In this month, the Dispatchers issued 103 Interruptions of Service and facilitated 117 dig requests to Pennsylvania One Call.



CUSTOMER SERVICE MONTHLY REPORT

PUC COMPLIANCE – DECEMBER 2024

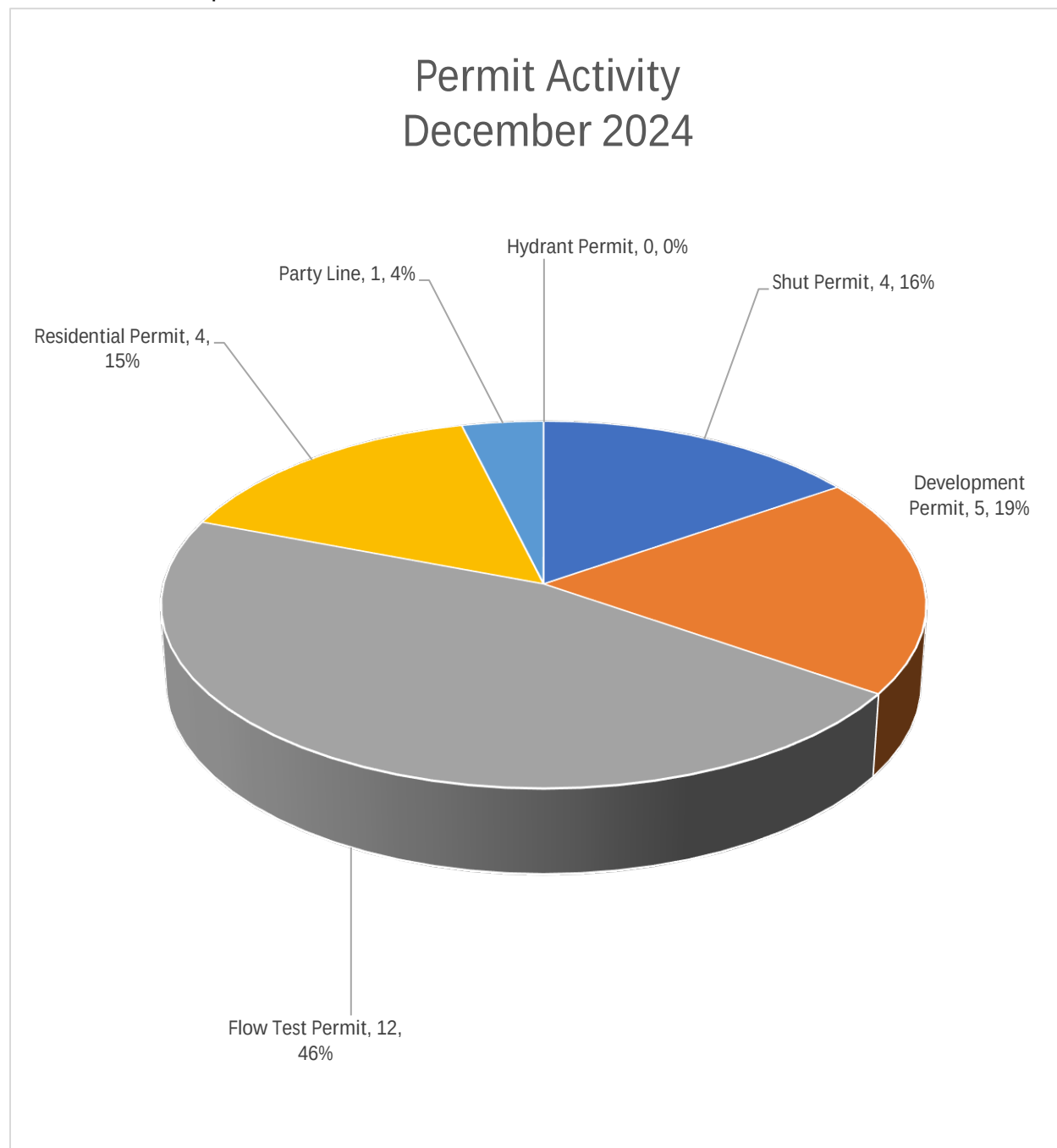
Pittsburgh Water received 59 Inquiries, 110 Disputes, 30 Informal Complaints, 1 Formal Complaint, and 3 Stormwater Inquiries in the month of December 2024.



CUSTOMER SERVICE MONTHLY REPORT

PERMITS – DECEMBER 2024

In December 2024, staff issued 26 permits as illustrated below. Additionally, Permits personnel processed 333 dye testing certification requests online, with 129 customers paying the processing fee via check and 204 paying via credit/debit card. Permits staff also assisted 159 customers via telephone in the month of December 2024.



PUC Quarterly Collections Reporting - October 2024	
PUC Quarterly Collections Reporting - October 2024	Total
Number of accounts entering the Collections Life Cycle (60+ days past due)	8,141
Dollar amounts of accounts entering the Collections Life Cycle (60+ days past due)	\$17,731,364.97
Number of accounts that are between 180 and 9999 days overdue	2,709
Dollar amounts of accounts that are between 180 and 9999 days overdue	\$9,810,791.32
Number of accounts receiving 10-day and 37-day notices	3,175
Number of scheduled terminations canceled during personal contact	23
Number of Notices of Intent to Lien issued	432
Number of liens filed	112

PUC Quarterly Collections Reporting - November 2024	
PUC Quarterly Collections Reporting - November 2024	Total
Number of accounts entering the Collections Life Cycle (60+ days past due)	9,422
Dollar amounts of accounts entering the Collections Life Cycle (60+ days past due)	\$18,805,915.99
Number of accounts that are between 180 and 9999 days overdue	2,774
Dollar amounts of accounts that are between 180 and 9999 days overdue	\$10,072,803.11
Number of accounts receiving 10-day and 37-day notices	4,051
Number of scheduled terminations canceled during personal contact	7
Number of Notices of Intent to Lien issued	398
Number of liens filed	101

PUC Quarterly Collections Reporting - December 2024	
PUC Quarterly Collections Reporting - December 2024	Total
Number of accounts entering the Collections Life Cycle (60+ days past due)	9,617
Dollar amounts of accounts entering the Collections Life Cycle (60+ days past due)	\$20,246,275.05
Number of accounts that are between 180 and 9999 days overdue	2,863
Dollar amounts of accounts that are between 180 and 9999 days overdue	\$10,244,357.29
Number of accounts receiving 10-day and 37-day notices	2,644
Number of scheduled terminations canceled during personal contact	6
Number of Notices of Intent to Lien issued	271
Number of liens filed	103

910F Executive Office

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Executive Office	Executive Administration Supervisor	Vacant	Vacant
Executive Office	Executive Assistant	Vacant	Vacant

911F Cust Service

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Customer Service	Customer Service Representative 3	Vacant	Vacant
Customer Service	Administrative Assistant	Vacant	Vacant
Customer Service	Dispatcher	Vacant	Vacant
Customer Service	Customer Service Representative 1	Vacant	Vacant
Customer Service	Customer Service Representative 1 - PT (1500 Hours)	Vacant	Vacant
Customer Service	Customer Service Representative 1 - PT (1500 Hours)	Vacant	Vacant

912F TS

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Technology Services	GIS Special Projects Intern	Vacant	Vacant

913F Finance

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	

915F HR

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	

916F Legal

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	

917 Safety and Security

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Safety and Security	Security Officer 3rd Shift	Vacant	Vacant
Safety and Security	Security Officer	Vacant	Vacant

920F Warehouse

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	

921F Public Affairs

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Public Affairs	Writer	Vacant	Vacant

930F Engineering

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Engineering	Senior Project Manager, Water Programs	Vacant	Vacant
Engineering	Cooperative Education	Vacant	Vacant

931F Environmental Compliance

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Environmental Compliance	Environmental Compliance Associate	Vacant	Vacant

321F Lab

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Lab	Chemist I Year 7	Vacant	Vacant

322F WTP

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Water Treatment Plant	Deputy Director of Water Production	Vacant	Vacant
Water Treatment Plant	Plant Operator - Class A	Vacant	Vacant
Water Treatment Plant	Plant Operator	Vacant	Vacant
Water Treatment Plant	Plant Operator	Vacant	Vacant
Water Treatment Plant	Plant Maintenance Foreman	Vacant	Vacant
Water Treatment Plant	Stationary Engineer	Vacant	Vacant
Water Treatment Plant	Utility Worker I	Vacant	Vacant

325F Water Ops

2024 Vacancy
as of Sept 30, 2024

Department	Title	Name	
Water Ops	Water Repair Foreman	Vacant	Vacant
Water Ops	Plumber - Licensed	Vacant	Vacant
Water Ops	Plumber	Vacant	Vacant
Water Ops	Valve & Hydrant Specialist - Licensed	Vacant	Vacant
Water Ops	Utility Worker II	Vacant	Vacant

Water Ops	Valve & Hydrant Specialist	Vacant	Vacant
Water Ops	Truck Driver - Special Winch	Vacant	Vacant
Water Ops	Truck Driver	Vacant	Vacant
Water Ops	Truck Driver	Vacant	Vacant
Water Ops	Field Service Technician II	Vacant	Vacant
424F Sewer Ops		2024 Vacancy as of Sept 30, 2024	
Department	Title	Name	
Sewer Ops	Vactor Operator	Vacant	Vacant

Appendix G – Microfiltration Plant

Project Name	Project Number	Project Phase	Project Start (Year)	Capital Project Budget	Capital Budget Savings/Overages	Project Commitment	Amount Paid	Amount Not Yet Invoiced	Amount Remaining	Actual 2017 Expenditures	Actual 2018 Expenditures	Actual 2019 Expenditures	Actual 2020 Expenditures	Actual 2021 Expenditures	Actual 2022 Expenditures	Actual 2023 Expenditures	Actual 2024 Expenditures Q1	Actual 2024 Expenditures Q2	Actual 2024 Expenditures Q3	Actual 2024 Expenditures Q4	Actual 2024 Expenditures	Projected 2024 Expenditures
MFP Transformer Repair and UPS Replacement	2017-322-103-0	Complete	2017	\$ 89,425.00	\$ -	\$ 89,425.00	\$ 89,392.76	\$ 32.24	\$ 32.24	\$ 1,674.00	\$ 87,718.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MFP Assessment and Critical Process Improvements	2017-322-104-0	Complete	2017	\$ 3,498,260.36	\$ -	\$ 3,498,260.36	\$ 3,498,230.84	\$ 29.52	\$ 29.52	\$ 350,929.77	\$ 1,226,932.79	\$ 920,585.11	\$ 803,012.93	\$ 157,140.71	\$ 26,065.41	\$ 13,564.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highland Park Membrane Filtration Module Replacement Program	2017-322-105-0	Complete	2017	\$ 1,482,788.00	\$ 157,986.76	\$ 1,324,801.24	\$ 1,324,801.24	\$ -	\$ 157,986.76	\$ 532,974.00	\$ 52,403.83	\$ 189,029.00	\$ 547,232.73	\$ 3,161.68	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Aspinwall and MFP Fiberglass Reinforced Plastic Chemical Tank Inspections and	2017-322-102-0	Complete	2017	\$ 295,000.00	\$ 54,425.83	\$ 240,574.17	\$ 240,574.17	\$ -	\$ 54,425.83	\$ 19,231.66	\$ 142,826.48	\$ 783.02	\$ 45,434.58	\$ 32,298.43	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highland Park Membrane Filtration Plant UV System	2017-322-106-0	Complete	2017	\$ 5,577,935.60	\$ -	\$ 5,577,935.60	\$ 5,577,935.60	\$ -	\$ -	\$ -	\$ 641,342.70	\$ 3,494,954.26	\$ 1,220,467.55	\$ 160,698.14	\$ 45,798.01	\$ 3,932.51	\$ 5,590.09	\$ 5,152.34	\$ -	\$ -	\$ -	\$ 10,742.43
Highland Reservoir #1 Parapet Wall Repairs	2017-322-106-1	Complete	2019	\$ 2,351,478.08	\$ 47,418.34	\$ 2,304,059.74	\$ 2,304,059.74	\$ -	\$ 47,418.34	\$ -	\$ -	\$ 240,266.12	\$ 1,953,034.67	\$ 110,758.95	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highland Park MFP Improvements Project	2021-322-100-0	Complete	2021	\$ 448,802.01	\$ 423,310.30	\$ 25,491.71	\$ 25,491.71	\$ -	\$ 423,310.30	\$ -	\$ -	\$ -	\$ -	\$ 25,491.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit (UV)	Operating	On-going	2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500.00	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chemicals	Operating	On-going	2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,170.50	\$ 24,867.80	\$ 51,753.90	\$ 32,965.26	\$ 70,199.56	\$8,491.49	\$ 6,685.00	\$ 2,222.00	\$ -	\$ 17,398.49	\$ 97,078.62
Utilities	Operating	On-going	2017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,360.00	\$ 4,360.00	\$ 13,312.19	\$ 117,901.96	\$ 169,211.11	\$ 154,524.95	\$ 182,015.75	\$37,798.94	\$ 30,263.43	\$ 27,134.90	\$ 28,575.97	\$ 123,773.24	\$ 185,656.06
Security	Operating	On-going	2019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,365.13	\$ 316,850.63	\$ 385,274.24	\$ 384,007.85	\$ 231,230.51	\$ 42,708.06	\$ 31,165.87	\$ 31,889.89	\$ 26,571.33	\$ 132,335.15	\$ 238,167.43
Supplies	Operating	On-going	2019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,350.00	\$ 99,163.00	\$ 76,288.86	\$ 28,253.38	\$ 47,913.01	\$ 1,715.76	\$ -	\$ -	\$ -	\$ 1,715.76	\$ 49,350.40
PWSA Staff Hours	Operating	On-going	2019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,486.40	\$ 925,554.55	\$ 472,846.72	\$ 213,433.20	\$ 343,000.00	\$ 86,000.00	\$ 86,000.00	\$ 58,060.00	\$ -	\$ 230,060.00	\$ 343,000.00

Summary of MFP Project Commitments

Aspinwall and MFP Fiberglass Reinforced Plastic Chemical Tank Inspections and Repairs/Replacement

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
PO21492	CE27-92 PM SUPPORT (D. GRAHAM) & DESIGN APPROVED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC. (Capital)	07.27.2017	Closed	Other Services	54,000.00	17,798.00	17,798.00	17,798.00	0
PO21898	4-FRP Tanks Inspections	ADVANCED FIBERGLASS SERVICES (Capital)	08.25.2017	Closed	Other Services	10,600.00	10,600.00	10,600.00	10,600.00	0
PO23143	LINER INSTALL AND INTERIOR SURFACE INSTALL	ADVANCED FIBERGLASS SERVICES (Capital)	11.22.2017	Closed	Other Services	135,155.00	135,155.00	135,155.00	135,155.00	0
PO32286	MFP - Inspection of Backwash Recovery Tank T-700	RPS Composites Ohio, Inc (PAYGO)	11.12.2019	Closed	Other Services	1,386.00	1,442.91	1,442.91	1,442.91	0
PO33303	Liner Installation in Backwash Recovery Tank T-700	RPS Composites Ohio, Inc (PAYGO)	01.30.2020	Closed	Other Services	18,150.00	18,150.00	18,150.00	18,150.00	0
PO33597	CE27-92 PM SUPPORT (D. GRAHAM) & DESIGN APPROVED TO VALUE	Hatch Associates Consultants (PayGo)	03.04.2020	Closed	Other Services	36,202.00	7,350.59	7,350.59	7,350.59	0
PO35158	Replace Side Bottom Drain Connection & Inspect/Repair Tank Floor as Needed for Sodium Hypo Tank T-7468	RPS Composites Ohio, Inc (PAYGO)	07.10.2020	Closed	Other Services	4,553.00	2,743.69	2,743.69	2,743.69	0
PO35160	Vega - Radar Level Sensor Instrumentation for MFP FRP Tanks	VEGA AMERICAS, INC. (PayGo)	07.10.2020	Closed	Other Services	10,470.18	10,213.87	10,213.87	10,213.87	0
PO35162	Fabricate & Install Five Flange Connections on Lids of Chem Tanks at MFP for Level Sensing Instrumentation	RPS Composites Ohio, Inc (Capital)	07.10.2020	Closed	Other Services	9,828.00	9,828.00	9,828.00	9,828.00	0
PO36111	MFP Radar Level Transmitters - Electrical Installation, Setup/Calibration, & System Integration	Lanco Electric Inc. (PayGo)	10.01.2020	Closed	Other Services	4,821.68	4,821.68	4,821.68	4,821.68	0
PO36592	RPS Composites - 6-inch Stub Flange on MFP Acid Mix Tank	RPS Composites Ohio, Inc. (Capital)	11.13.2020	Closed	Other Services	3,756.00	3,756.00	3,756.00	3,756.00	0
PO36593	Safety Ladder on MFP Acid Tank 410	RPS Composites Ohio, Inc. (Capital)	11.13.2020	Closed	Other Services	9,816.00	9,816.00	9,816.00	9,816.00	0
PO37023	CE27-92 PM SUPPORT (D. GRAHAM) & DESIGN APPROVED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC. (Capital)	12.29.2020	Closed	Other Services	28,851.41	6,487.48	6,487.48	6,487.48	0
PO37024	Replace Side Bottom Drain Connection & Inspect/Repair Tank Floor as Needed for Sodium Hypo Tank T-7468	RPS Composites Ohio, Inc. (Capital)	12.29.2020	Closed	Other Services	1,809.31	0	0	0	0
PO37025	Vega - Radar Level Sensor Instrumentation for MFP FRP Tanks	VEGA AMERICAS, INC. (Capital)	12.29.2020	Closed	Other Services	256.31	0	0	0	0
PO38477	Replace 1-1/2" Bung Fitting on MFP Caustic Tank T-40	RPS Composites Ohio, Inc. (Capital)	06.11.2021	Closed	Other Services	2,410.95	2,410.95	2,410.95	2,410.95	0
Totals						\$332,065.84	\$240,574.17	\$240,574.17	\$240,574.17	\$0.00

Highland Park Membrane Filtration Module Replacement Program

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
PO20632	MEMBRANE MODULES	PALL CORPORATION (Capital)	06.11.2017	Closed	General Contractor	\$32,974.00	\$32,974.00	\$32,974.00	\$32,974.00	0
PO20633	MODULE INSTALLATION	PALL CORPORATION (Capital)	06.11.2017	Closed	General Contractor	49,080.00	49,080.00	49,080.00	49,080.00	0
PO27179	MODULE HAUL AWAY	Waste Management (Capital)	10.31.2018	Closed	Other Services	3,323.83	3,323.83	3,323.83	3,323.83	0
PO31227	Rack D Module Replacement	PALL CORPORATION (Capital)	08.23.2019	Closed	Other Services	187,274.00	189,029.00	189,029.00	189,029.00	0
PO35060	Highland Park MFP - Racks A, B & C Module Replacement	Pall Corporation (PAYGO)	06.29.2020	Closed	Other Services	542,968.00	542,968.00	542,968.00	542,968.00	0
PO35451	HT-WTR-24 Embedded Staff	Hatch Associates Consultants (PayGo)	08.04.2020	Closed	Water Systems	16,000.00	4,264.73	4,264.73	4,264.73	0
PO37027	HT-WTR-24 Embedded Staff	HATCH ASSOCIATES CONSULTANTS, INC. (Capital)	12.29.2020	Closed	Water Systems	3,161.68	3,161.68	3,161.68	3,161.68	0
Totals						\$1,343,355.10	\$1,324,801.24	\$1,324,801.24	\$1,324,801.24	\$0.00

Highland Park Membrane Filtration Plant Assessment and Critical Process Improvements

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
4500000088	MFP STARTUP TRAINING	PALL CORPORATION	05.11.2017	Closed	Other Services	18530.5	0	0	0	0
4500000098	MFP EQUIPMENT AND PARTS	PALL CORPORATION	03.04.2020	Closed	Other Services	1033.41	0	0	0	0
4500000099	Membrane Rack Strainers	PALL CORPORATION	03.04.2020	Closed	General Contractor	100380.4	0	0	0	0
4500000100	MFP Troubleshooting Assistance	Yates Electric, LLC	03.04.2020	Closed	Other Services	38520.94	0	0	0	0
4500000106	Remote Programming Support	PALL CORPORATION	10.16.2020	Closed	Other Services	71400	17850	17850	17850	0
4500000107	Power & Control Wiring	Yates Electric, LLC	12.09.2020	Closed	General Contractor	16564.02	15288.22	15288.22	15288.22	0
4500000109	Various Module Rack Components	PALL CORPORATION	12.29.2020	Closed	Other Services	14822.54	0	0	0	0
4500000683	PROMINENT METERING PUMPS	DAMAN-SUPERIOR, LLC	03.04.2020	Closed	Other Services	1000	0	0	0	0
4500000708	Control System Engineer (PLC/SCADA Labor)	LANCO ELECTRIC, INC.	11.13.2020	Closed	Other Services	11600	9778	9778	9778	0
4500000711	CE27-99 MFP DESIGN AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	12.29.2020	Closed	z-Planning and Design Related	13701.52	42755.07	42755.07	42755.07	0
4500000712	HT-WTR-02 - On-Site Facility Improvements Support - T. Gigliotti	HATCH ASSOCIATES CONSULTANTS, INC.	12.29.2020	Closed	Water Systems	3587.08	0	0	0	0
4500001455	Wire Auma Actuators	LANCO ELECTRIC, INC.	10.04.2022	Closed	General Contractor	13564.12	13564.12	13564.12	13564.12	0
PO20466	CE27-90 CM/GI TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	04.28.2017	Closed	z-Program Mgt/CM Related	53000	45503.82	45503.82	45503.82	0
PO20617	CHLORINE PUMP INST ALL & HCS STILLING WELLS	WAYNE CROUSE	05.11.2017	Closed	General Contractor	12330	12330	12330	12330	0
PO20627	MFP EQUIPMENT AND PARTS	PALL CORPORATION	05.11.2017	Closed	General Contractor	15118.35	14084.94	14084.94	14084.94	0
PO20628	MFP TURBIDITY VALVES AND SCADA UPGRADES	PALL CORPORATION	05.11.2017	Closed	General Contractor	17617.6	17617.6	17617.6	17617.6	0
PO20630	MFP STARTUP SERVICES	PALL CORPORATION	05.11.2017	Closed	Other Services	19350	63279	63279	63279	0
PO20631	HIGHLAND PARK GATE EMERGENCY INSPECTION	MARION HILL ASSOCIATES, INC.	05.11.2017	Closed	Other Services	10840	10840	10840	10840	0
PO20936	INLET FLOW MEASUREMENT & HYPO PUMP CONTROL	SIEMENS INDUSTRY, INC. (CAPITAL)	06.07.2017	Closed	Other Services	5875	5908.35	5908.35	5908.35	0
PO20944	PROMINENT METERING PUMPS	DAMAN-SUPERIOR, LLC	06.08.2017	Closed	Other Services	21675	20675	20675	20675	0
PO21071	CE27-99 MFP DESIGN AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	06.19.2017	Closed	z-Planning and Design Related	38500	176577.03	176577.03	176577.03	0
PO21186	Membrane Rack Strainers	PALL CORPORATION	06.29.2017	Closed	General Contractor	262392.58	162012.18	162012.18	162012.18	0
PO21187	MFP HEALTH CHECK-PALL	PALL CORPORATION	06.29.2017	Closed	Other Services	7500	7500	7500	7500	0
PO21188	Strainer Trouble Shooting (Pre-Module Installation)	PALL CORPORATION	06.29.2017	Closed	Other Services	20030	20030	20030	20030	0
PO21199	Raw Water Strainer Rehabilitation- S.P. Kinney	S.P. Kinney	06.30.2017	Closed	Other Services	15250	28420	28420	28420	0
PO21310	CE27-103 On-Site Facility Improvements Support	HATCH ASSOCIATES CONSULTANTS, INC.	07.13.2017	Closed	Other Services	30000	9716.96	9716.96	9716.96	0
PO22398	ARC28-12 AWARDED TO VALUE	ARCADIS US, INC.	10.04.2017	Closed	Other Services	24266.2	24266.2	24266.2	24266.25	3.65
PO23590	CE27-128 CM/GI SRVCS AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	01.04.2018	Closed	z-Program Mgt/CM Related	51000	41621.46	41621.46	41621.46	0
PO24160	4 ELECTRIC/PNEUMATIC VALVE POSITIONERS	PALL CORPORATION	02.14.2018	Closed	General Contractor	6327.32	6345.65	6345.65	6345.65	0
PO24188	Krohne Converter and Flowtube	KROHNE	07.12.2017	Closed	Other Services	3040	3040	3014.13	3014.13	25.87
PO24415	TANK HEATER	F.N. Cuthbert, Inc. (Capital)	03.07.2018	Closed	Other Services	16843	17105.3	17105.3	17105.3	0
PO24743	CE27-141 CI SRVCS AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	04.04.2018	Closed	z-Program Mgt/CM Related	70000	69566.67	69566.67	69566.67	0
PO24844	PRESSURE LOGGERS	FlowNetwork, Inc. DBA 540 Technologies	04.13.2018	Closed	Other Services	47509	47509	47509	47509	0
PO24867	PRESSURE SENSORS	Veto Metering, LLC. (Capital)	04.13.2018	Closed	Other Services	3750	3750	3750	3750	0
PO24869/PO26318	WATER METER CROCK	1/8 WATER SERVICE, INC.	04.13.2018	Closed	Other Services	25960.5	25960.5	25960.5	25960.5	0
PO25192	AIR COMPRESSOR/MOTOR REBUILD AND INSTALL	Air Technologies	05.16.2018	Closed	Other Services	6496.3	5939.3	5939.3	5939.3	0
PO25206	ROCKWELL SCADA SYSTEMS	CED/Mosbach Electric	05.16.2018	Closed	Other Services	65981	65981	65981	65981	0
PO25386	PUMPS PURCHASE AND ACCESSORIES	XYLEM DEWATERING SOLUTIONS, INC.	06.04.2018	Closed	Other Services	766820.02	766820.02	766820.02	766820.02	0
PO25675	Sika HH Injection	Allegheny Restoration, Inc.	07.02.2018	Closed	Other Services	3750	3750	3750	3750	0
PO26880	STRAINER, BIN, CS, NSF, COATED, 300u	PALL CORPORATION	10.09.2018	Closed	General Contractor	40014	43849	43849	43849	0
PO28289	FIELD SERVICES	PALL CORPORATION	05.01.2019	Closed	Other Services	10729	10729	10729	10729	0
PO28537	Purchase of Hyster W452HD lift truck	Burns Industrial Equipment, Inc	02.18.2019	Closed	Other Services	4000	4000	4000	4000	0
PO29185	REPLACING EXISTING AMIAD TWIN BRUSH	PALL CORPORATION	03.28.2019	Closed	General Contractor	308323.77	308323.77	308323.77	308323.77	0
PO30582	MFP PLC Panel Components	Keystone Engineering Group, Inc.	07.16.2019	Closed	Other Services	46940	46940	46940	46940	0
PO30583	MFP Raw Water Pump VFD	LANCO ELECTRIC, INC.	07.16.2019	Closed	Other Services	28746.21	28746.21	28746.21	28746.21	0
PO30743	MFP Troubleshooting Assistance	Yates Electric, LLC	07.24.2019	Closed	Other Services	83423	44902.06	44902.06	44902.06	0
PO30826	EQUIPMENT-MFP, Electric-Pneumatic Valve Positioners	PALL CORPORATION	07.30.2019	Closed	General Contractor	14618.56	14657.05	14657.05	14657.05	0
PO30860	Raw Water Flow Meters	Keystone Engineering Group, Inc.	07.31.2019	Closed	Other Services	19270	19270	19270	19270	0
PO30930	MFP, Butterfly Valves for Membrane Filtration Racks	PALL CORPORATION	08.06.2019	Closed	Other Services	40648.16	41150.92	41150.92	41150.92	0
PO30977	MFP Reporting Updates	PALL CORPORATION	08.07.2019	Closed	Other Services	13440	51800	51800	51800	0
PO31777	Programming Support	PALL CORPORATION	10.07.2019	Closed	Other Services	49995	49995	49995	49995	0
PO31779	MFP Instrumentation and Control System Engineering Services	LANCO ELECTRIC, INC.	10.07.2019	Closed	Other Services	187443.2	201893.2	201893.2	201893.2	0
PO32262	Membrane Rack Flow Meters	Keystone Engineering Group, Inc.	11.08.2019	Closed	Other Services	34050	34050	34050	34050	0

	PO32340	Membrane Rack PLCs	PALL CORPORATION	11.13.2019	Closed	Other Services	66546	66546	66546	66546	0
	PO32412	HT-WTR-02 - On-Site Facility Improvements Support - T. Gigliotti	HATCH ASSOCIATES CONSULTANTS, INC.	11.19.2019	Closed	Water Systems	90000	40960.86	40960.86	40960.86	0
	PO33128	Replacement of 4 Electric Unit Heaters	POWELL MECHANICAL, INC.	01.17.2020	Closed	Other Services	9000	8714.74	8714.74	8714.74	0
	PO33208	Various Module Rack Components	PALL CORPORATION	01.24.2020	Closed	Other Services	46292.4	31469.86	31469.86	31469.86	0
	PO33209	VFDs and Various MFP Improvements	LANCO ELECTRIC, INC.	01.24.2020	Closed	Other Services	200322.79	288842.95	288842.95	288842.95	0
	PO33602	CE27-99 MFP DESIGN AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	03.04.2020	Closed	z-Planning and Design Related	37422.97	79237.45	79237.45	79237.45	0
	PO33607	Programming Support	PALL CORPORATION	03.04.2020	Closed	Other Services	54320	54320	54320	54320	0
	PO33609	HT-WTR-02 - On-Site Facility Improvements Support - T. Gigliotti	HATCH ASSOCIATES CONSULTANTS, INC.	03.04.2020	Closed	Water Systems	49039.14	45452.06	45452.06	45452.06	0
	PO33938	Onsite Programming Support	PALL CORPORATION	03.16.2020	Closed	Other Services	54320	54320	54320	54320	0
	PO34052	Reservoir Intake Cleaning	MARION HILL ASSOCIATES, INC.	03.30.2020	Closed	Other Services	18600	13800	13800	13800	0
	PO34279	HT-WTR-08 Facility Improvements Start Up & Training Support	HATCH ASSOCIATES CONSULTANTS, INC.	04.17.2020	Closed	Water Systems	31500	34410.01	34410.01	34410.01	0
	PO35932	MFP VOC Analyzer Integration	LANCO ELECTRIC, INC.	09.15.2020	Closed	Other Services	6960	6960	6960	6960	0
	PO36196	Sealant application at floor openings for MFP rack piping	Allegheny Restoration, Inc.	10.08.2020	Closed	Other Services	1040	1040	1040	1040	0
	PO37426	MFP Improvements	WAYNE CROUSE	02.01.2021	Closed	General Contractor	90600	96494.83	96494.83	96494.83	0
	Totals						\$3,566,030.60	\$3,498,260.36	\$3,498,260.36	\$3,498,230.84	\$29.52

Highland Park Membrane Filtration Plant Transformer Repair and UPS Replacement

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
PO20611	CE27-91 ENGINEERING SUPPORT AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC. (Capital)	05.10.2017	Closed	z-Planning and Design Related	15,000.00	15,000.00		14,967.76	32.24
PO21139	Awarded Contract Value-Frankl Electric	FRANKL ELECTRIC, INC. (Capital)	06.26.2017	Closed	General Contractor	74,425.00	74,425.00	74,425.00	74,425.00	0
Totals						\$89,425.00	\$89,425.00	\$89,425.00	\$89,392.76	\$32.24

Highland Park Membrane Filtration Plant UV System

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
	4500001883	CE27-152 PM SRVCS AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	09.07.2018	Closed	Other Services	70,000.00	227,483.01	227,483.01	0.00
	4500005294	ARC28-16 DESIGN AWARDED TO VALUE	ARCADIS US, INC.	10.10.2018	Closed	z-Planning and Design Related	973,500.00	1,348,593.53	1,348,593.53	0
	PO25641	CONTRACT AWARD	WAYNE CROUSE	06.29.2018	Closed	General Contractor	2,372,000.00	2,644,661.00	2,644,661.00	0
	PO26391	CE27-149 CM/CI AWARDED TO VALUE	HATCH ASSOCIATES CONSULTANTS, INC.	08.30.2018	Closed	z-Program Mgt/CM Related	199,900.00	394,791.22	394,791.22	0.00
	PO28923	Installation of Video software	Surveillance Group Inc.	03.13.2019	Closed	Other Services	292,785.00	297,135.00	297,135.00	0
	PO30721	PFS - Lincoln PS Venturi Rehab	Primary Flow Signal, Inc.	07.23.2019	Closed	Other Services	7,975.00	7,975.00	7,975.00	0
	PO30723	CT and Log Reduction MFP Auto Shutdown	LANCO ELECTRIC, INC.	07.23.2019	Closed	Other Services	99,768.00	99,768.00	99,768.00	0
	PO30738	Insertion Flow Meters for CT Monitoring	McCrometer, Inc.	07.23.2019	Closed	Other Services	37,540.00	35,286.31	35,286.31	0
	PO30880	Lincoln PS Flow Monitoring	CED/Mosbach Electric	08.01.2019	Closed	Other Services	3,896.18	3,912.63	3,912.63	0
	PO30978	Pall Program Changes for UV Integration	PALL CORPORATION	08.07.2019	Closed	Other Services	21,000.00	21,000.00	21,000.00	0
	PO31098	MFP Alarm Comms to Main Treatment Plant	CED/Mosbach Electric	08.15.2019	Closed	Other Services	3,896.18	3,896.18	3,896.18	0
	PO31276	PA DEP Operation Permit Fee	COMMONWEALTH OF PENNSYLVANIA C/O DEP (DEPT.ENVIRONMENTAL PROTEC.	08.28.2019	Closed	Other Services	50	50	50	0
	PO31400	Historian License Upgrades	CED/Mosbach Electric	09.06.2019	Closed	Other Services	48,498.74	48,498.74	48,498.74	0
	PO31735	Calgon Training	Calgon Carbon UV Technologies, Inc.	10.02.2019	Closed	Other Services	6,300.00	6,300.00	6,300.00	0
	PO31778	Additional Software Hours	Calgon Carbon UV Technologies, Inc.	10.07.2019	Closed	Other Services	16,000.00	0	0	0
	PO31800	EJM Automation MFP UV Support	EJM Automation	10.08.2019	Closed	Other Services	24,300.00	17,873.26	17,873.26	0
	PO32263	MFP Server Upgrade	CED/Mosbach Electric	11.08.2019	Closed	Other Services	17,766.00	17,766.00	17,766.00	0
	PO32264	CWM Startup Assistance	CWM Environmental	11.08.2019	Closed	Other Services	56,000.00	62,183.75	62,183.75	0
	PO32322	HT-WTR-01 - Professional Services for Preparation of SOP's for Operation of MFP/UV System at Highland Park MFP	HATCH ASSOCIATES CONSULTANTS, INC.	11.13.2019	Closed	Water Systems	16,000.00	15,946.21	15,946.21	0
	PO32584	HT-WTR-04 - Operation Start-up & Training Assistance for the MFP/UV System at Highland Park MFP	HATCH ASSOCIATES CONSULTANTS, INC.	12.04.2019	Closed	Water Systems	20,000.00	79,906.31	79,906.31	0
	PO33155	Conduit and Fiber for Reservoir Cameras	Surveillance Group Inc.	01.22.2020	Closed	Other Services	40,170.00	40,170.00	40,170.00	0
	PO33733	MFP Historian Expansion	CED/Mosbach Electric	03.02.2020	Closed	Other Services	19,500.00	19,500.00	19,500.00	0
	PO34159	Purchase of Calgon spare parts	Calgon Carbon UV Technologies, Inc.	04.03.2020	Closed	Other Services	5,548.99	5,477.77	5,477.77	0
	PO34384	Equipment Replacement	Equipment & Controls, Inc.	04.29.2020	Closed	Other Services	39,343.00	39,343.00	39,343.00	0
	PO34472	Calgon Panel Dwg Updates	Calgon Carbon UV Technologies, Inc.	05.07.2020	Closed	Other Services	800	800	800	0
	PO34638	HVAC SYSTEM REPAIRS	POWELL MECHANICAL, INC.	05.26.2020	Closed	Other Services	64,532.49	64,532.49	64,532.49	0
	PO34639	Additional Exterior Security Cameras	Surveillance Group Inc.	05.26.2020	Closed	Other Services	24,500.00	24,500.00	24,500.00	0
	PO35293	PADEP Permit Modification fee	COMMONWEALTH OF PENNSYLVANIA C/O DEP (DEPT.ENVIRONMENTAL PROTEC.	07.23.2020	Closed	Other Services	5,000.00	5,000.00	5,000.00	0
	PO35323	Emergency Permit Modification fee	COMMONWEALTH OF PENNSYLVANIA C/O DEP (DEPT.ENVIRONMENTAL PROTEC.	07.27.2020	Closed	Other Services	100	100	100	0
	PO35661	Remote Program Support	PALL CORPORATION	08.20.2020	Closed	Other Services	43,400.00	43,400.00	43,400.00	0
	PO35837	Calgon 4cm Handheld UVT Analyzer	Calgon Carbon UV Technologies, Inc.	09.08.2020	Closed	Other Services	2,074.80	2,086.19	2,086.19	0
	Totals					\$4,532,144.38	\$5,577,935.60	\$5,577,935.60	\$5,577,935.60	\$0.00

Highland Park MFP Improvements Project

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
	PO38745	Motor Actuators for 6 & 8-in Filter to Waste Butterfly Valves	Auma Actuators Inc.	06.08.2021	Closed	Other Services	12,205.00	11,905.00	11,905.00	0
	PO38635	Motor Actuator for 30-in Plant Effluent Butterfly Valve	Auma Actuators Inc.	05.27.2021	Closed	Other Services	9,490.00	9,491.31	9,491.31	0
	PO38638	6 & 8-in Butterfly Valves for Filter to Waste	Equipment & Controls, Inc.	05.27.2021	Closed	Other Services	4,270.00	4,095.40	4,095.40	0
	Totals					\$25,965.00	\$25,491.71	\$25,491.71	\$25,491.71	\$0.00

Highland Reservoir #1 Parapet Wall Repairs

#	Description	Company	Date	Status	Commitment Type	Original Commitment	Current Commitment	Projected Commitment	Actuals Approved	Remaining Balance
	PO30220	CE27-182 - Highland 1 Parapet Wall CM/CI Services	HATCH ASSOCIATES CONSULTANTS, INC. (Capital)	06.12.2019	Closed	z-Program Mgt/CM Related	220,000.00	225,575.40	225,575.40	0
	PO30236	AWARDED CONTRACT	ARCH MASONRY, INC. (Capital)	06.13.2019	Closed	General Contractor	1,886,551.00	2,078,484.34	2,078,484.34	0
	Totals					\$2,106,551.00	\$2,304,059.74	\$2,304,059.74	\$2,304,059.74	\$0.00



November 14, 2024

Renee Diehl, Environmental Program Manager
Department of Environmental Protection
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222-4745

Re: Lead Program Quarterly Progress Report
Pittsburgh Water and Sewer Authority

Dear Ms. Diehl:

Pursuant to Paragraph 3.f. of the Consent Order and Agreement (COA) dated November 17, 2017, Pittsburgh Water and Sewer Authority (PWSA) is providing this Lead Program Quarterly Progress Report, every three (3) months following the date of the execution of the COA. This report will provide details on the progress and current status of each of the following:

Section 1:	Implementation of Corrosion Control Feasibility Study
Section 2:	Consumer Tap Notices
Section 3:	72-hour Partial Line Replacement Sample Results
Section 4:	Partial Lead Service Line Replacements
Section 5:	Implementation of Community Environmental Project (CEP)
Section 6:	Identification of Lead Service Lines
Section 7:	Lead Service Line Replacements
Section 8:	Advisory Committee

Attachment A	Consumer Tap Notice: Example Letter
Attachment B	Post-Construction Sample Results

If any additional information is needed or if we can answer any questions, please let us know.

Regards,

William J. Pickering

William J. Pickering
Chief Executive Officer



Lead Program Quarterly Progress Report – November 15, 2024

Section 1 - Implementation of Corrosion Control Treatment Feasibility Study

Under paragraph 3.b.ii of the November 17, 2017 Consent Order & Agreement (COA), the Pittsburgh Water and Sewer Authority (PWSA) was required to submit an application for a permit to construct the corrosion control treatment facilities within ninety (90) days of the approval of the feasibility study. On April 27, 2018, PWSA received a letter from the Pennsylvania Department of Environmental Protection (PADEP) stating that the selection of orthophosphate as optimal corrosion control treatment for PWSA was approved.

PWSA completed design of the corrosion control chemical facilities and submitted a permit application to PADEP on May 10, 2018. Under paragraph 3.b.iii, PWSA was to complete construction of the modified corrosion control treatment facilities in accordance with the amended construction permit within 180 days of the PADEP issuing an amended construction permit. The PADEP issued the Construction Permit for the Orthophosphate Addition and Storage Project on September 24, 2018. PWSA received the Building Permit from the City of Pittsburgh's Department of Permits, Licenses, and Inspections (PLI) on January 17, 2019. A Letter Amendment to the COA provided for phased implementation of orthophosphate for corrosion control, and PWSA coordinated these start up dates with PADEP. PADEP inspected all three sites on March 26, 2019. The PADEP issued the amended Operation Permit for the corrosion control facilities on March 29, 2019.

PWSA began implementation of the modified corrosion control treatment facilities upon receipt of the amended Operation Permit from PADEP on March 29, 2019. PWSA introduced orthophosphate as approved in the amended permit, as follows:

- Bruecken Pump Station Application Point – Highland 2 Super System on April 1, 2019
- Aspinwall Pump Station Application Point – Lanpher Reservoir Super System on April 15, 2019
- MFP1 and MFP2 sites – Highland 1 Reservoir Super System on April 29, 2019

PWSA performed work on the Aspinwall Pump Station and Bruecken Pump Station corrosion control treatment facilities to change out the orthophosphate storage from totes to double water storage tanks. This conversion increased storage capacity and improved loading and storage monitoring. A Certificate of Construction for the first tank conversion was submitted to PADEP on May 6, 2022 and an Operation Permit was granted by PADEP on June 3, 2022. A Certificate of Construction for the second tank conversion was submitted to PADEP on December 8, 2022 and an Operation Permit was granted by PADEP on January 9, 2023, allowing the second tank to be placed into service at both locations.



Parallel to the implementation of orthophosphate, PWSA continues with the implementation of the Distribution System Monitoring Plan associated with orthophosphate addition. This monitoring program consists of the following components:

- Regulatory monitoring
 - Lead and Copper Rule (LCR)
 - Water Quality Parameter (WQP)
 - Revised Total Coliform Rule (RTCR)
 - Disinfection Requirements Rule (DRR)
 - Stage 2 Disinfectants and Disinfection Byproducts Rule (D/DBP)
- Supplemental Monitoring
 - Enhanced RTCR site monitoring
 - Lead service line profiles
 - Aspinwall Water Treatment Plant entry point
 - Orthophosphate dosage and optimization

The collected data indicates that the addition of orthophosphate continues to have a positive impact on corrosion. The monitoring stations appear to have established steady lead levels well below initial values and below the action level of 15 parts per billion (ppb). The residential lead profiles conducted at several locations throughout the city also indicate progress of lowering lead levels from the pre-orthophosphate addition. The corrosion control team is conducting a detailed investigation at some sites that exceeded action levels to gain better understanding for their occurrence.

The last LCR Compliance Sampling period was July 2023 – December 2023 (2023b). The results of LCR Compliance Sampling since the introduction of orthophosphate are shown below:

<u>Compliance Sampling Period</u>	<u>90th Percentile Lead Result</u>
July 2023 – December 2023	3.58 ppb
January 2023 – June 2023	3.35 ppb
July 2022 – December 2022	5.0 ppb
January 2022 – June 2022	4.42 ppb
July 2021 – December 2021	7.05 ppb
January 2020 – June 2020	5.1 ppb
July 2019 – December 2019	10.0 ppb



PWSA has accordingly achieved seven consecutive rounds of compliance sampling that were below the 15 ppb action level and 90th percentile results remain below that level.

On April 20, 2020, PWSA submitted a permit application to PADEP to adjust pH and orthophosphate levels. The application was supplemented by a Corrosion Control Optimization Plan (Plan), and an amended permit was issued on November 4, 2020. The Plan activities included four “Events” and 40 weeks of monitoring, and the original scope of the plan was complete with a final report presented on August 27, 2021. The Plan included the adjustment of pH to 7.8 and orthophosphate dose to 1.7 mg/l. During implementation of the Plan, extensive sampling was done throughout the distribution system to detect any impact these changes may have on lead release.

During a meeting with PADEP on October 21, 2021, PWSA presented the results of the Plan, and recommended increasing the orthophosphate dose and continuing the monitoring. A request to modify the Public Water Supply Operation Permit to allow this increased orthophosphate dose (1.9 mg/L) was submitted to PADEP on April 4, 2022.

On June 23, 2022, PADEP approved an Operation Permit (No. 0218518-A3) to modify the dose of orthophosphate from 1.7 mg/L to 1.9 mg/L at the application points. This modification was implemented shortly after receipt of the permit.

In accordance with Paragraph 3.b.v of the COA, as well as Chapter 109, Subchapter K of the Pennsylvania Code, and Public Water Supply Permit No. 0218518-A3, PWSA submitted a Request for Designation of Optimal Water Quality Parameter (WQP) to PADEP on July 30, 2023. The WQP was issued by PADEP on March 19, 2024, with the lead and copper sampling requirement updated to sampling every three years starting with the compliance period June 1, 2025 through September 30, 2025. In addition, from June 2024 to September 2024 PWSA conducted an unofficial sampling period, collecting 1st (and 5th) L samples in accordance with the sampling requirements that will be in place in 2025. The results were uploaded to DWELR.

In accordance with Paragraph 3.b.vi., PWSA is currently conducting WQP monitoring every 2 weeks at each entry point and monthly at 25 locations within the distribution system. This frequency will continue for a period of one year from the issuance of the WQP.

Section 2 - Consumer Tap Notices

PWSA completed a LCR compliance sampling event for July 2023 – December 2023 (2023b), which had a 90th percentile result of 3.58 ppb, which is below the action level of 15 ppb. Therefore, Tier 2 public notice to PWSA customers was not required. As of March 19, 2024 the monitoring requirement has been revised, with the lead and copper sampling requirement updated to sampling every three years with the next compliance period being June 1, 2025 through September 30, 2025.



PWSA mails sample kits directly to customers at Tier 1 sites on the sampling plan. These kits include a one-liter sampling bottle, PADEP approved sampling instructions and return postage to the lab.

Every customer who is served by water at sites that were sampled is mailed a sample results letter (See Attachment A) within 3 business days of PWSA receiving and conducting a Quality Assurance review of the results.

When PWSA receives a sample result that exceeds 10 ppb, a NSF-certified water filter pitcher and 6-month supply of filter cartridges is mailed to the customer, at no cost to the customer. If any result exceeds 15 ppb total lead, PWSA's contracted laboratory informs PWSA by telephone within one hour. If the laboratory is unable to reach PWSA by telephone within one hour, the laboratory notifies the PADEP regional office by telephone within 2 hours. The laboratory also notifies the PADEP regional office in writing within 24 hours of the determination of the exceedance using the 24-hour notice form. This notification is either emailed or faxed, as long as the 24-hour deadline is met. Additionally, when any result exceeds 15 ppb total lead, PWSA Lead Help reaches out to the customer with the exceedance via an available phone number to inform them of the result and provide guidance for mitigation the customer can take. If the customer's phone number(s) on file are not valid, a letter is sent via US mail to request updated contact information from the customer.

Section 3 - 72 Hour Partial Line Replacement Sample Results

Per PUC order, effective April 4, 2021, partial service line replacements are no longer authorized.

25 Pa. Code § 109.1107(d)(4)(ii) states: *The system shall collect the partial lead service line replacement sample and report the results of the analysis to the owner and the residents served by the line within 3 business days of receiving the results.* Paragraph 3.a.iii and iv of the COA provide for follow up notice to residents who do not return samples and additional sampling and replacement cartridges for homes with partial replacements that exceed that lead action level of 15 ppb.

In accordance with 25 Pa. Code § 109.1107(d)(4)(ii), PWSA requests that property owners collect a water sample (post-construction sample) after every partial line replacement.

In addition, PWSA provides a sample kit to property owners to collect a water sample after full line replacements and private-only or public-only (non-lead on the private side) replacements that PWSA performs. PWSA follows PADEP risk mitigation measures described in their Risk Mitigation Measures (RMM) for Water Systems Conducting Lead Service Line Replacement fact sheet. In addition to the other RMMs described in the fact sheet, for any location where a public and/or private service line is replaced, PWSA provides a sample kit to collect first draw and 5th liter tap samples between three and six months after completion of the LSLR.

For all locations where post-construction sample results exceed the lead action level of 15 ppb (partial or full line replacement), the customer is contacted via phone or email, in addition to receiving a letter with their sample results. If PWSA needs to reach a tenant with no contact information, PWSA Lead



Help Desk will look up the owner in an attempt to contact them. Residents are reminded to continue to use the NSF-certified water filter pitcher provided at the time of initial disturbance of the lead service line and are provided a test kit to collect another sample three months after the exceedance sample was collected. Additional water pitcher filter cartridges are provided at the time of delivery of the 3-month sample kit for partial line replacement locations.

If any post-construction sample comes back over 50 ppb (partial line or full line replacement), in addition to the above notifications, PWSA mobilizes to the property to assist with flushing the service line. In these instances, the resident is given a sample kit and asked to collect a new water sample following the flush to ensure that the flushing was effective in reducing the post-construction lead levels.

If a resident did not return their water sample after any partial line replacement, the resident receives a second notice via door hanger reminder to return their sample kit.

Post-construction sample results (partial line and full line replacement) are provided in Attachment B. From July 1, 2016 through October 31, 2024, 11,842 public lead service lines have been replaced. Post-construction samples have been returned from 4,990 of those locations. From August 1, 2024 – October 31, 2024 (this quarterly progress report reporting period) 392 public lead service lines were replaced. None of those locations have returned a post-construction sample as of the time of this report because the sample kits will not be provided until between three and six months after completion of the LSLR.

Section 4 - Partial Lead Service Line Replacements

25 Pa. Code § 109.1107(d)(4)(i) provides: *The system shall provide notice to residents of all buildings served by the line at least 45 days prior to commencing partial line replacement.* Paragraph 3.a.i. of the COA provides that PWSA *shall provide (via door hanger notification) an additional advance notification not more than five (5) days and not less than seventy-two (72) hours prior to the initiation of work.* Except for emergency lead service line replacements, PWSA provides the required notifications.

Per PUC Order, effective April 4, 2021 partial service line replacements are no longer authorized. If the homeowner does not sign an agreement to allow PWSA to replace their lead private side service line, they will be subject to termination of water service. When possible, PWSA Operations will provide temporary water service from the new public side service line until the private service line can be replaced to avoid termination.

In accordance with paragraph 3.a.v. of the COA, PWSA provides PADEP a weekly report of all emergency partial lead service line replacements where a 45-day notification in accordance with 25 Pa. Code § 109.1107(d)(4)(i) was not possible. After June 22, 2017, the only replacements not receiving the 45-day notification are those that were replaced due to an emergency such as a main break, service line break, or service line leak.



There was one Emergency Partial Lead Service Line Replacement reported during the quarterly reporting period August 1, 2024 – October 31, 2024. An inadvertent temporary partial was conducted by the PWSA Operations Department at a LSLR site (for which a 45 day notice was sent, but the customer canceled the original scheduled replacement). This was identified shortly after it was completed, the partial was disconnected and temporary service provided to the customer until the private side replacement was conducted the next day. There were no Emergency Partial Lead Service Line Replacements reported during the quarterly reporting period where a 45-day notice was not provided.

Residents of all locations receiving lead service line replacements are provided with RMMs including information to flush the service line, a NSF-certified water filter pitcher and 6-month supply of filter cartridges, a post-construction water sample kit within three to six months, and health information regarding lead service line replacement. Locations where a partial replacement is performed are provided a sample kit within 72 hours of replacement and are also given a door hanger reminder to return the post-construction water sample kit if PWSA has not received the water sample results six weeks after construction.

Section 5 - Implementation of Community Environmental Project (CEP)

The CEP was conducted in accordance with the PADEP approval dated February 15, 2018 and subsequent revisions to the approval. Construction associated with the CEP portion of the Individual Lead Service Line Replacement (ILSLR) contract was initiated in mid-December 2018 and approximately \$1.81 million was spent by the end of January 2021, successfully completing the CEP Program.

PWSA considers the CEP program extremely successful, and a cornerstone of our commitment to our low-income customers. Through this program we qualified and received agreements from 730 customers throughout our water service area. The \$1.8 million in CEP funding has provided for the replacement of over 382 private lead service lines – well above our initial goal of the program of working at about 400 homes and replacing 200 private lead service lines.

Section 6 - Identification of Lead Service Lines

On December 24, 2020, PWSA submitted a Supplemental Materials Evaluation report as required by Paragraph 3.c.iii of the COA. This multi-year effort consisted of a comprehensive evaluation of all available methods for service line identification detailed in the July 31, 2019 Revised Service Line Material Inventory Approach approved by PADEP on June 26, 2020. Another supplemental materials evaluation was presented to the PADEP by December 31, 2022 in accordance with Paragraph 3.c.iv of the COA.

PWSA has an ongoing process to continuously update the service line material inventory based on data collected through various programs and construction activities. The data is published to our website searchable by address, and that information is updated monthly.



PWSA submitted an updated inventory on October 16, 2024 in accordance with the Lead and Copper Rule Revisions deadline of the same day. PWSA is currently in the process of delivering notification letters to customers, which will be complete by November 15, 2024.

Section 7 - Lead Service Line Replacements

PWSA began recording lead service line replacements in February 2016. A table of all lead service line replacements since July 1, 2016 was included in earlier Progress Reports. Since the requirement for mandatory lead service line replacement has ended, this table has not been included in the quarterly report since August 15, 2020.

The PWSA Board approved a lead service line replacement policy (included in the February 15, 2018 quarterly report) that if there is lead on the public side service line, allows PWSA and PWSA contractors to replace the private side of the service line, with homeowner authorization, if lead or galvanized iron has been confirmed. This Policy was updated by the PWSA Board at their July 26, 2019 meeting to continue to offer no-cost private side lead or galvanized iron service line replacements when PWSA replaces the public side, as well as expand the program of offering an income-based reimbursement program to customers who want to replace their private side lead or galvanized iron service lines when PWSA is not replacing the public side.

From July 1, 2016 through October 31, 2024, 11,842 public lead and 8,560 private lead or private galvanized iron service lines have been replaced by PWSA or a PWSA contractor.

Lead Service Line Replacements

- Small Diameter Water Main Replacement Contracts

PWSA service line replacement efforts include projects to replace small diameter water mains, and PWSA is currently offering public and private service line replacement during the Small Diameter Water Main Replacement (SDWMR) contracts. The service line aspects of SDWMR programs will be similar to the LSLR program, with the difference being that all public service lines will be replaced, not only lead public service lines. Private lead and galvanized iron service lines will continue to be replaced at no direct cost to PWSA customers with homeowner authorization. The streets where the mains will be replaced include some priority lead areas and other locations with problematic mains.

2022 SDWMR: The 2022 SDWMR Program consists of the replacement of water mains to replace approximately 12 miles of water main and approximately 1,900 public and associated private lead services lines. Construction (other than final street restoration) on two of the three contracts is complete, and the third contract started in the summer of 2024.



2023 SDWMR: PWSA received a PENNVEST award on October 17, 2024 consisting of \$5 million grant and \$64 million in loans. This funding will be used for approximately 1,600 LSLRs during the replacement of the aging water mains. Work is planned to begin July 2025.

Water Relay: In addition, PWSA is providing public and private lead service line replacement, where necessary, under Water Relay work orders.

- Lead Service Line Replacement Contracts

PWSA is offering full service line replacement during the LSLR contracts. PWSA Policy for the LSLR Program dictates that private lead and galvanized iron service lines will be replaced at no direct cost to PWSA customers with homeowner authorization, even at locations where the public side of the service line is verified as non-lead.

2023A Neighborhood LSLR: PWSA received a PENNVEST award on January 12, 2023 consisting of \$9.7 million grant and \$3.7 million in loans. This funding was used for approximately 1,800 LSLRs at priority neighborhoods within the PWSA service area. Work began in July 2023 and is complete other than final restoration activities.

2023B Neighborhood LSLR: PWSA received a PENNVEST award on July 19, 2023 consisting of \$10 million grant and \$4.6 million in loans. This funding will be used for approximately 1,200 LSLRs at priority neighborhoods within the PWSA service area. Work started in March 2024.

2024A Neighborhood LSLR: PWSA received a PENNVEST award on January 24, 2024 consisting of \$13.8 million grant and \$18.3 million in loans. This funding will be used for approximately 4,000 LSLRs at priority neighborhoods within the PWSA service area. Work began in August 2024.

2024B Neighborhood LSLR: PWSA received a PENNVEST award in August 2024 consisting of \$15.1 million in grant funds. This funding will be used for approximately 1,600 LSLRs at priority neighborhoods within the PWSA service area. Work is planned to begin March 2025.

PWSA Operations/Urgent LSLR: PWSA has a construction contract to perform replacement of privately-owned lead service lines when PWSA Operations performs urgent replacements as a result of emergency line breaks or leaks. This program initially began in early December 2018 and still continues. This is to prevent partial lead service line replacement caused by urgent public side replacement, and the private side replacement is completed at no cost to the customer.

PWSA coordinates with customers that have a private side lead service line to replace the lead service line during urgent replacements. Per PUC order, effective April 4, 2021, partial service line replacements are no longer authorized. If the homeowner does not sign an agreement to allow PWSA to replace their private side lead service line, they will be subject to termination of water service. When possible, PWSA will provide temporary water service from the new public side service line until the private service line can be replaced to avoid termination.



Pittsburgh
Water & Sewer
Authority

Section 8 - Advisory Committee

PWSA formed a Community Lead Response Advisory Committee (CLRAC) consisting of interested parties to the Pennsylvania Utilities Commission (PUC) rate filing, representatives of local community groups and a public health expert, based on a tariff settlement with the PUC. The CLRAC has met regularly and is working with PWSA to evaluate and advise PWSA on recommended modifications to the LSLR Program. The primary purposes of the CLRAC are to provide consultation and feedback on PWSA's LSLR Program and lead remediation efforts. All minutes of the CLRAC meetings are posted on the PWSA website. <http://lead.pgh2o.com/resources/clrac/>

Per PUC order, PWSA is required to terminate service to customers when we replace a public side service line, the private side is lead or galvanized iron, and the customer does not agree to have PWSA install a replacement private side service line. This requirement was effective in early April 2021.

ATTACHMENT A
CONSUMER TAP NOTICES: EXAMPLE LETTER

COMMUNITY LEAD RESPONSE



9/26/2023

L.B. Borne
1303 Heberton St
Pittsburgh, PA, 15206

Kit ID#: 1030203

2023 Lead and Copper Notification

Dear L.B. Borne,

Thank you for participating in the Pittsburgh Water and Sewer Authority's (PWSA) lead testing program. Your test kit is helping inform you and PWSA about the quality of our drinking water.

Sample Id	Collected On	Sample Bottle	Analyzed For	Result	Unit
633879	09/10/2023 13:45:00	1	Lead	2.01	ppb
633879	09/10/2023 13:45:00	1	Copper	92.8	ppb

The results of the sample taken from 1303 Heberton St , Pittsburgh, PA 15206 are listed in the above table. The Environmental Protection Agency (EPA) lead action level is 15 ppb and the copper action level is 1300 ppb.

What is the lead action level?

The lead action level is an EPA drinking water standard that requires water service providers to take additional steps to control lead levels when they reach or exceed 15 ppb. We ask residents from our service area to submit samples to help us determine if our treatment methods are effective at reducing corrosion from lead pipes. If more than ten percent of the samples we collect exceed the lead action level of 15 ppb, we must take certain actions like replace lead service lines and explore alternative water treatment methods. It is important to remember that this is not a safety standard because there is no safe level of lead.

What do my results mean?

If the lead result listed above is 10 ppb or greater, you should have received a complimentary water filter pitcher and filters that are certified to remove lead delivered to the service address. If PWSA has previously provided you with a

Lead Help Desk:
412.255.8987
LeadHelp@pgh2o.com

Resources:
pgh2o.com/lead-facts

Stay Connected:
🐦 @pgh2o

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

COMMUNITY LEAD RESPONSE

complimentary water pitcher, you will receive additional replacement filters. Please call our water testing partner, 120 Water, at 800-674-7961 if you did not receive these.

If the lead test result is ND ppb (Not Detected), this indicates that the laboratory equipment was not able to detect lead in the water sample.

Completing a lead test is a good first step in understanding your water quality. To check further for sources of lead, you can test your household plumbing for lead using swabs, which you can find at most home improvement stores. You can also check our online map at www.pgh2o.com/leadmap to see if your home has historical data on file indicating that lead pipe was used to build your service line.

If your lead test sample was not following a service line replacement, and you are interested in replacing your lead service line, PWSA's Lead Service Line Reimbursement Program offers up to 100% reimbursement and provides a minimum of a \$1,000 reimbursement based on a tiered income eligibility. PWSA will verify your income and determine the level of reimbursement you qualify for. Please contact **PGH2O Cares at 412-255-2457** to begin the reimbursement process.

What are the health effects of lead and copper?

According to EPA, "Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development."

According to the EPA, "Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's disease should consult their personal doctor."

How does lead exposure happen?

The Mayo Clinic states that most exposure to lead happens by ingesting paint chips or lead contaminated dust. There can also be lead in soil and drinking water. Lead enters drinking water through corrosion in lead pipes or plumbing materials. The primary source of lead in PWSA's system are the old water service lines that connect homes to the water main in the street. Our water mains are not made of lead, and there is no lead in our water when it leaves the water treatment facilities.

Copper is common in the environment. You may be exposed to copper by drinking water, breathing air, eating food, and by skin contact with soil, water and other copper-containing substances.

What can I do to reduce lead in drinking water?

Lead Help Desk:
412.255.8987
LeadHelp@pgh2o.com

Resources:
pgh2o.com/lead-facts

Stay Connected:
🐦 [@pgh2o](https://twitter.com/pgh2o)

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

COMMUNITY LEAD RESPONSE

If you know or suspect that you have lead service lines or plumbing, there are ways to reduce your exposure to lead in your drinking water:

- Run your water to flush out lead. If you haven't used your water for several hours, run your cold tap for one minute before using your water for cooking or drinking. If your home has a longer lead line, this may require flushing for a longer period of time. Using toilets, washing clothes, showering, or doing dishes before you drink from your tap are all ways that you can flush your water lines without wasting water.
- Use cold water for cooking and preparing baby formula. Lead dissolves more easily in hot water. Do not drink, cook with, or make baby formula using hot water.
- Do not boil water to remove lead. Boiling water does not remove or reduce lead exposure.
- Look for alternative sources or treatment of water. Purchase or use the provided NSF Water Filter that is certified to remove lead from your water. Customers can also choose to drink bottled water. Coupons for NSF Water Filters certified to remove lead are available at lead.pgh2o.com.
- Identify if your plumbing fixtures contain lead. Lead check swabs are available at hardware stores to help you detect lead on plumbing surfaces, such as solder and pipes. Consider replacing pipes and fixtures that contain lead. Contact us if you decide to replace your lead service line. Depending on your income, you may be eligible to have your lead water service line replaced at no cost.
- Get your child's blood tested. If you think that your child may have been exposed to lead, talk to your doctor about testing your child. Allegheny County requires all children to be tested for lead exposure at approximately 9-12 months and again at 24 months.

What is being done?

We are identifying and replacing thousands of lead service lines, with a goal of replacing all of the lead service lines in our system. As we identify the location of lead service lines, we make this information available to the public on our webpage at lead.pgh2o.com. Customers who want to replace their lead service lines on their own should contact our Lead Help Desk for more information about coordinating efforts.

Where can I get more information?

For more information, visit the PWSA lead website at lead.pgh2o.com or call 412.255.8987.

Sincerely,

William J. Pickering

William Pickering | Chief Executive Officer

ATTACHMENT B
POST CONSTRUCTION SAMPLE RESULTS
(Partial Line and Full Line Replacement Locations)

[illegible]

Post-Construction Replacement Sample Results (All) Report as of October 31, 2024																											
Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5002046	Ops	BLG	278	LOMBARD ST	Lead	Lead	PEX	Copper	2017-02-28	2019-01-22	Yes	Emergency	2017-11-16	7	2017-12-01	2019-02-09	1.97	2019-02-19									
5077766	Ops	BLG	1433	ORCHLEE ST	Lead	Lead	PEX	Copper	2017-02-28	2019-01-24	Yes	Emergency	2017-07-19	91	2017-07-31	2018-01-26	17	2018-02-02	2019-01-25	9	2019-02-04						
5046133	Ops	BLG	4213	SHIELDS ST	Lead	Lead	PEX	Not Replaced	2017-03-03		Yes	Emergency	2017-07-08	3.8	2017-07-13												
5028108	Ops	BLG	6739	STANTON AVE	Lead	Lead	PEX	Not Replaced	2017-03-14		Yes	Emergency	2017-07-28	19	2017-08-03												
5073633	Ops	BLG	2941	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2017-03-15	2019-01-29	Yes	Emergency	2019-02-02	2.74	2019-02-12												
5009447	Ops	BLG	3636	MINTWOOD ST	Lead	Lead	PEX	Copper	2017-03-21	2019-01-08	Yes	Emergency	2019-01-09	ND	2019-01-22												
5038503	Ops	BLG	6316	WALDRON ST	Lead	Lead	PEX	Copper	2017-04-04	2019-01-24	Yes	Emergency	2017-08-09	40	2017-08-22	2019-01-25	2.3	2019-02-04									
5042100	Ops		6612	KINSMAN RD	Lead	PEX	PEX	Not Replaced	2017-04-20		No	Emergency	2017-07-21	4.3	2017-07-31												
5037668	Ops		5702	BEACON ST	Lead	Copper	Copper	Not Replaced	2017-05-03		No	Emergency	2017-08-30	5.7	2017-09-20												
5046500	Ops	BLG	4315	GLADSTONE ST	Lead	Lead	PEX	Copper	2017-05-04	2019-01-25	Yes	Emergency	2019-02-07	1.62	2019-02-19												
5042353	Ops	BLG	1750	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2017-05-09		No	Emergency	2018-01-01	2.6	2018-01-12												
5059557	A01_03	A01_03	48	RUTH ST	Lead	Lead	PEX	Copper	2017-05-10	2018-05-24	Yes		2018-05-30	4.8	2018-06-15	2018-06-22	10	2018-07-08									
5050961	Ops	A14_03	2331	SARAH ST	Lead	Copper	PEX	Not Replaced	2017-05-11		No	Emergency	2018-01-14	2	2018-02-08												
5056124	A01_03	A01_03	53	RUTH ST	Lead	Lead	PEX	Copper	2017-05-11	2018-05-11	Yes		2018-05-14	ND	2018-05-24												
5059658	A01_03	A01_03	64	RUTH ST	Lead	Lead	PEX	Copper	2017-05-11	2018-05-09	Yes		2017-05-28	27	2017-06-05	2017-06-06	13	2017-06-23	2018-05-10	ND	2018-05-21						
5005633	Ops	BLG	2916	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-05-12	2019-01-11	Yes	Emergency	2019-01-12	ND	2019-01-22												
5056110	A01_03	A01_03	79	RUTH ST	Lead	Lead	PEX	Copper	2017-05-15	2018-05-10	Yes		2017-05-16	36	2017-05-24	2017-06-07	42	2017-06-23	2018-05-14	4.1	2018-05-24						
5056111	A01_03	A01_03	77	RUTH ST	Lead	Lead	PEX	Copper	2017-05-15	2018-05-10	Yes		2017-05-20	19	2017-09-22	2017-10-26	9.5	2017-11-09	2018-05-20	ND	2018-05-29						
5059560	A01_03	A01_03	54	RUTH ST	Lead	Lead	PEX	Copper	2017-05-15	2018-05-15	Yes		2017-05-16	110	2017-05-24	2018-03-23	ND	2018-03-29									
5058588	A02_02	A02_02	222	NATCHEZ ST	Lead	Lead	PEX	Not Replaced	2017-05-16		Yes		2017-05-16	5.3	2017-05-30												
5058598	A02_02	A02_02	43	NATCHEZ ST	Lead	Lead	PEX	Copper	2017-05-16	2018-05-01	Yes		2018-05-03	3.2	2018-05-21												
5058599	A02_02	Private Reimbursement	223	NATCHEZ ST	Lead	Lead	PEX	Non-Lead	2017-05-16	2017-05-19	Yes		2017-06-07	6.2	2017-06-14	2017-08-08	21	2017-08-14	2018-02-28	29	2018-03-12						
5058521	A02_02	A02_02	313	NATCHEZ ST	Lead	Lead	PEX	Not Replaced	2017-05-17		Yes		2017-05-17	2.7	2017-05-30												
5059647	A01_03	A01_03	100	RUTH ST	Lead	Lead	PEX	Copper	2017-05-17	2018-05-09	Yes		2017-05-23	10	2017-05-31	2018-05-29	ND	2018-06-06									
5061510	A01_03	A01_03	132	RUTH ST	Lead	Lead	PEX	Copper	2017-05-18	2018-05-08	Yes		2017-05-19	37	2017-05-30												
5061517	A01_03	A01_03	138	RUTH ST	Lead	Lead	PEX	Copper	2017-05-18	2018-05-08	Yes		2017-05-22	100	2017-05-30												
5058515	A02_02	Private Reimbursement	331	NATCHEZ ST	Lead	Lead	PEX	Copper	2017-05-19	2017-06-05	Yes		2017-05-20	9.8	2017-05-30												
5037952	Ops	Private Reimbursement	5407	GUARINO RD	Lead	Lead	PEX	Copper	2017-05-22	2017-08-28	Yes	Emergency	2017-05-25	36	2017-06-05	2017-09-12	15	2017-10-09	2018-02-07	8.9	2018-02-20						
5058830	A02_02	A02_02	438	NATCHEZ ST	Lead	Lead	PEX	Copper	2017-05-23	2018-04-26	Yes		2017-05-24	34	2017-06-05												
5042371	ES_1	BLG	6511	DARLINGTON RD	Lead	Lead	PEX	Copper	2017-05-24	2018-12-31	Yes		2017-05-26	10	2017-06-05	2019-01-02	ND	2019-01-11									
5042383	ES_1	BLG	6538	DARLINGTON RD	Lead	Lead	PEX	Not Replaced	2017-05-24		Yes		2017-06-27	10	2017-07-07												
5039231	ES_1	B07_05_A	6357-6359	ALDERSON ST	Lead	Lead	PEX	Copper	2017-05-25	2019-11-04	Yes		2017-05-25	23	2017-06-05	2017-06-08	13	2017-06-23	2019-11-05	4.78	2019-11-11						
5058926	A02_02	A02_02	222	PROSPECT ST	Lead	Lead	PEX	Copper	2017-05-25	2018-05-01	Yes		2020-01-03	ND	2020-01-22												
5059563	A01_03	A01_03	112	TUSCOLA ST	Lead	Lead	PEX	Copper	2017-05-25	2018-05-14	Yes		2017-05-27	5.6	2017-06-05	2018-05-16	5.6	2018-05-29									
5059565	A01_03	A01_03	118	TUSCOLA ST	Lead	Lead	PEX	Copper	2017-05-25	2018-05-17	Yes		2017-05-27	71	2017-06-05	2018-05-21	ND	2018-06-05									
5058928	A02_02	A02_02	226	PROSPECT ST	Lead	Lead	PEX	Not Replaced	2017-05-26		Yes		2017-05-30														

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5036715	Ops		5639	MARLBOROUGH RD	Lead	Copper	PEX	Not Replaced	2017-09-18		No	Emergency	2017-11-26	10	2017-12-11												
5038860	A05_05	A05_05	2342	ELDRIDGE ST	Lead	Lead	PEX	Not Replaced	2017-09-18		Yes		2017-10-05	3.7	2017-10-16												
5041887	Ops		314	S LEXINGTON AVE	Lead	Copper	PEX	Not Replaced	2017-09-18		No	Emergency	2017-09-26	4.7	2017-10-05												
5020739	Ops		5549	CAMELIA ST	Lead	Copper	PEX	Not Replaced	2017-09-25		No	Emergency	2017-10-03	ND	2017-10-12												
5048649	Ops	BLG	231	WINSTON ST	Lead	Lead	PEX	Copper	2017-09-25	2019-02-08	Yes	Emergency	2019-03-28	ND	2019-04-10												
5006752	A06_06	A06_06	3451	MILWAUKEE ST	Lead	Lead	PEX	Copper	2017-09-26	2018-06-07	Yes		2019-07-27	110	2017-10-05	2017-09-28	7.5	2017-10-09	2017-10-10	7.9	2017-10-18						
5006873	A06_06	A06_06	3376	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-09-26	2018-06-06	Yes		2017-09-26	810	2017-10-05	2017-09-28	1500	2017-10-16	2017-09-29	86	2017-10-26	2017-10-18	80	2017-11-03	2018-01-28	9.8	2018-02-08
5014180	Ops		344	W PENN PL	Lead	PEX	PEX	Not Replaced	2017-09-26		No	Emergency	2017-09-28	25	2017-10-09												
5019680	Ops	Private Reimbursement	5205	PENN AVE	Lead	Lead	PEX	Copper	2017-09-26	2017-09-27	Yes	Emergency	2017-09-27	22	2017-10-09	2017-10-26	11	2017-11-08									
5006889	A06_06	A06_06	3367	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-09-27	2018-05-24	Yes		2017-09-28	5.6	2017-10-09	2017-09-30	30	2017-10-12	2017-10-18	2.2	2017-10-31	2018-05-25	4	2018-06-08			
5006890	A06_06	A06_06	3369	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-09-27	2018-05-24	Yes		2017-09-28	5.4	2017-10-09	2017-10-04	7.2	2017-10-12	2017-10-19	ND	2017-10-31						
5006891	A06_06	A06_06	3363	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-09-27	2018-05-25	Yes		2017-09-28	9.8	2017-10-09	2017-09-28	30	2017-10-09									
5006892	A06_06	A06_06	3365	WEBSTER AVE	Lead	Lead	PEX	Copper	2017-09-27	2018-05-10	Yes		2017-09-28	38	2017-10-09	2017-09-28	15	2017-10-09	2017-10-18	3.2	2017-10-31						
5012202	Ops-Unlisted	BLG_02	342	DENNISON AVE	Copper	Lead	PEX	Not Replaced	2017-09-27		Yes	Emergency	2017-09-28	ND	2017-10-09												
5038336	Ops	A05_05	5870	PHILLIPS AVE	Lead	Lead	PEX	Copper	2017-09-27	2018-05-03	Yes	Emergency	2017-09-29	700	2017-10-10	2017-11-16	9	2017-12-01									
5037167	Ops		1807	WIGHTMAN ST	Lead	Non-Lead	PEX	Not Replaced	2017-09-28		No	Emergency	2018-03-21	7.5	2018-03-29												
5038904	A05_05	A05_05	2365	SHERBROOK ST	Lead	Copper	PEX	Not Replaced	2017-10-02		No		2017-10-04	7.3	2017-10-18												
5038907	A05_05	A05_05	2355	SHERBROOK ST	Lead	Copper	PEX	Not Replaced	2017-10-02		No		2017-10-02	3.2	2017-10-12												
5078151	Ops	BLG	3406	GASS AVE	Lead	Lead	PEX	Copper	2017-10-02	2019-02-22	Yes	Emergency	2017-11-07	21	2017-11-21	2017-12-04	12	2017-12-15									
5018501	Ops-Unlisted		181	46TH ST	Lead	Copper	PEX	Not Replaced	2017-10-03		No	Emergency	2017-10-06	ND	2017-10-18												
5038293	A05_05	A05_05	2314	PITTOCK ST	Lead	Copper	PEX	Not Replaced	2017-10-03		No		2023-10-15	ND	2023-10-30												
5052645	Ops	BLG	3227	JOSEPHINE ST	Lead	Lead	PEX	Not Replaced	2017-10-04		Yes	Emergency	2017-10-08	15	2017-10-26	2017-11-06	ND	2017-11-27									
5038880	A05_05	Private Reimbursement	2343	ELDRIDGE ST	Lead	Lead	PEX	Non-Lead	2017-10-05	2017-10-20	Yes		2017-10-19	35	2017-10-31	2017-11-04	8.8	2017-11-20									
5038933	A05_05	A05_05	2331	PITTOCK ST	Lead	Lead	PEX	PEX	2017-10-05	2017-10-05	No		2017-10-11	ND	2017-10-26												
5012400	Ops	A18_08	5726	HOWE ST	Lead	Lead	PEX	Copper	2017-10-05	2018-11-19	Yes	Emergency	2017-10-08	240	2017-11-03	2017-10-18	4.1	2017-10-26	2018-11-21	ND	2018-12-05						
5074218	Unknown	BLG_02	2540	SPRING GARDEN AVE	Lead	Unknown	PEX	Not Replaced	2017-10-07		Yes		2018-10-10	4.6	2017-10-26												
5035607	Ops		813	HASTINGS ST	Lead	PEX	PEX	Not Replaced	2017-10-11		No	Emergency	2018-04-10	2.4	2018-04-19												
5074175	Ops		2728	SPRING GARDEN AVE	Lead	Copper	PEX	Not Replaced	2017-10-13		No	Emergency	2017-10-13	12	2017-10-26												
5046586	Ops	BLG	356	BIGELOW ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2017-10-14	2019-02-25	Yes	Emergency	2019-07-08	ND	2019-07-15												
5041472	Ops		111	S LEXINGTON AVE	Lead	Copper	PEX	Not Replaced	2017-10-19		No	Emergency	2018-03-16	2.1	2018-03-28												
5077245	Ops		1215	HODGKISS ST	Lead	Copper	PEX	Not Replaced	2017-10-19		No	Emergency	2017-10-24	4.8	2017-11-07												
5022553	Ops	BLG	5419	BUTLER ST	Lead	Copper	PEX	Not Replaced	2017-10-21		No	Emergency	2017-10-25	36	2017-11-10												
5022075	Ops	A17_07	1029	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2017-10-23		No	Emergency	2017-10-29	ND	2017-11-09	2018-10-31	ND	2018-11-09									
5004619	Ops		3387	PARKVIEW AVE	Lead	Copper	PEX	Not Replaced	2017-10-24		No	Emergency	2017-11-17	ND	2017-12-06												
5019870	Ops		5232	CARNEGIE ST	Lead	Copper	PEX	Not Replaced	2017-10-24		No	Emergency	2017-10-25	7.6	2017-11-08												
5033824	Susquehanna Street Relay	BLG	7230	SUSQUEHANNA ST	Lead	Lead	PEX	Copper	2017-10-25	2019-02-02	Yes		2018-03-20	5.7	2018-03-29	2019-02-03	12.4	2019-02-12									
5003476	WR	BLG	340	S BOUQUET ST	Lead	Lead	Non-Lead	Not Replaced	2017-10-30		Yes		2017-10-31	2.3	2017-11-09	2017-11-02	3	2017-11-27	2017-11-04	ND	2017-12-07	2017-11-29	ND	2018-01-03			
5043806	Ops	BLG	405	E END AVE	Lead	Lead	PEX	Copper	2017-10-30	2018-12-26	Yes	Emergency	2019-01-06	ND	2019-01-11												
5043807	Ops	BLG	407	E END AVE	Lead	Lead	PEX	Copper	2017-10-30	2018-12-26	Yes	Emergency	2018-12-27	ND	2019-01-07												
5003569	WR	BLG	337	S BOUQUET ST	Lead	Lead	Non-Lead	Copper	2017-10-31	2019-01-23	Yes		2017-11-17	7.1	2017-12-08												
5034847	Ops		5411	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2017-10-31		No	Emergency	2018-08-24	ND	2018-09-11												
5003467	WR		320	S BOUQUET ST	Lead	Copper	Non-Lead	Not Replaced	2017-11-01		No		2017-11-06	5.1	2017-12-06	2017-11-08	4.1	2017-12-06									
5003468	WR	BLG_01	322	S BOUQUET ST	Lead	Lead	Non-Lead	Not Replaced	2017-11-01		Yes		2017-11-06	13	2017-12-07												
5033813	Susquehanna Street Relay	BLG	7215	SUSQUEHANNA ST	Lead	Lead	Non-Lead	Not Replaced	2017-11-01		Yes		2019-07-17	2.6	2019-07-26												
5037424	Ops		6315	BARTLETT ST	Lead	Copper	PEX	Not Replaced	2017-11-01		No	Emergency	2017-11-02	7.8	2017-11-21												
5033819	Susquehanna Street Relay	BLG	7220	SUSQUEHANNA ST	Lead	Lead	Non-Lead	Copper	2017-11-02	2019-01-04	Yes		2017-11-03	19	2017-11-20												
5022195	Ops	BLG	1200	JANCEY ST	Lead	Copper	PEX	Not Replaced	2017-11-07		No	Emergency	2017-11-09	ND	2017-12-01												
5046076	Ops	BLG	4122	LYDIA ST	Lead	Lead	PEX	Not Replaced	2017-11-07		Yes	Emergency	2018-01-23	ND	2018-01-31												
5021976	Ops	BLG	1201	JANCEY ST	Lead	Lead	PEX	Not Replaced	2017-11-08		Yes	Emergency	2017-12-09	5.1	2018-01-03												
5044401	Ops		1207	TREVANION AVE	Lead	Copper	PEX	Not Replaced	2017-11-08		No	Emergency	2017-11-11	130	2017-12-04	2017-12-06	13	2017-12-15									
5030600	Ops	BLG	6733	FRANKSTOWN AVE	Lead	Copper	PEX	Not Replaced	2017-11-09		No	Emergency	2017-11-17	3.1	2017-12-01												
5018368	Ops	BLG	164	45TH ST	Lead	Lead	PEX	Not Replaced	2017-11-30		Yes	Emergency	2018-05-02	ND	2018-05-10												
5039496	Ops	BLG	6360	BURCHFIELD AVE	Lead	Lead	Copper	Copper	2017-12-07	2019-01-18	Yes	Emergency	2017-12-11	35	2017-12-18	2018-07-12	32	2018-08-01	2019-01-23	1.7	2019-02-04						
5045332	Ops	BLG	4102 1/2	LYDIA ST	Lead	Lead	PEX	Not Replaced	2017-12-07		Yes	Emergency	2018-01-13	12	2018-01-23												
5022270	Ops	BLG_01	1015	JANCEY ST	Lead	Lead	PEX	Not Replaced	2017-12-13		Yes	Emergency	2018-08-17	6.3	2018-09-19												
5070809	Ops	BLG	1415	SANDUSKY ST	Lead	Lead	PEX	Copper	2017-12-14	2019-02-05	Yes	Emergency	2017-12-16	40	2017-12-21	2019-08-13	ND	2019-08-26									
5070810	Ops	BLG	1417	SANDUSKY ST	Lead	Lead	PEX	Copper	2017-12-14	2019-02-05	Yes	Emergency	2017-12-16	7.5	2017-12-21	2019-02-18	ND	2019-02-27									
5028199	Ops	Private Reimbursement	1126	WINTERTON ST	Lead	Lead	PEX	Copper	2017-12-17	2018-04-25	Yes	Emergency	2017-12-19	84	2018-01-03	2018-04-25	4.2	2018-05-01									
5039484	Ops		6339	MONITOR ST	Lead	Copper	PEX	Not Replaced	2017-12-19		No	Emergency	2017-12-20	34	2018-01-09	2018-02-01	6.1	2018-02-08	2018-05-28	9.3	2018-06-06		</				

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5072912	Ops	BLG	6	MAUCH ST	Lead	Lead	PEX	Copper	2018-03-07	2018-12-13	Yes	Emergency	2018-03-10	20	2018-03-29												
5002842	Ops	BLG	221	DUNSEITH ST	Lead	Lead	PEX	Copper	2018-03-13	2018-12-06	Yes	Emergency	2018-03-13	30	2018-03-27	2018-06-20	4	2018-07-19									
5024428	Ops	BLG	1627	CHISLETT ST	Lead	Lead	PEX	Copper	2018-03-14	2018-12-04	Yes	Emergency	2018-03-15	5.4	2018-03-27	2019-01-15	2.1	2019-01-28									
5021212	Ops		5328	CAMELIA ST	Lead	Copper	PEX	Not Replaced	2018-03-15		No	Emergency	2018-03-16	7.1	2018-03-27												
5030285	Ops		6637	SHETLAND AVE	Lead	Copper	Copper	Not Replaced	2018-03-15		No	Emergency	2018-03-16	2	2018-03-27												
5058007	Ops	BLG	300	BIGHAM ST	Lead	Lead	PEX	Copper	2018-03-15	2019-01-29	Yes	Emergency	2019-02-25	ND	2019-03-04												
5045998	Ops		4308	HALDANE ST	Lead	Copper	PEX	Not Replaced	2018-03-20		No	Emergency	2018-03-20	290	2018-04-02	2018-04-11	ND	2018-04-19									
5055179	Ops	BLG	1835	ARLINGTON AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2018-03-23	2019-02-05	Yes	Emergency	2019-02-07	1.39	2019-02-19												
5061404	Ops		239	ALBERT ST	Lead	Copper	PEX	Not Replaced	2018-03-23		No	Emergency	2018-03-23	2	2018-04-03												
5024294	Ops	A17_07	1433	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-03-24		No	Emergency	2018-11-01	ND	2019-01-14												
5074709	A03_01	A03_01	202	BONVUE ST	Lead	Lead	PEX	Not Replaced	2018-03-29		Yes		2018-03-29	480	2018-04-10	2018-04-15	3.7	2018-04-27									
5074710	A03_01	A03_01	204	BONVUE ST	Lead	Lead	PEX	Not Replaced	2018-03-30		Yes		2018-07-31	15	2018-08-17	2019-10-31	13.4	2019-11-11	2020-01-24	10	2020-02-03						
5028115	Ops	Private Reimbursement	1212	N SHERIDAN AVE	Lead	Lead	Copper	Copper	2018-04-02	2018-05-10	Yes	Emergency	2018-04-03	ND	2018-04-13												
5058500	A02_02	A02_02	307	BELONDA ST	Lead	Lead	PEX	Copper	2018-04-02	2018-04-02	No		2018-04-04	2.4	2018-04-19												
5058501	A02_02	A02_02	305	BELONDA ST	Lead	Lead	PEX	Copper	2018-04-02	2018-04-02	No		2018-04-04	4.4	2018-04-13												
5074409	A03_01	A03_01	105	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-05	2018-04-05	No		2018-04-06	8.8	2018-04-12												
5074435	A03_01	A03_01	111	BONVUE ST	Lead	Lead	PEX	Copper	2018-04-05	2018-04-05	No		2018-04-14	ND	2018-04-23												
5074735	A03_01	A03_01	203	BONVUE ST	Lead	Lead	PEX	Copper	2018-04-05	2018-04-05	No		2018-04-05	6.4	2018-04-13												
5014403	Ops		357	S GRAHAM ST	Lead	PEX	PEX	Not Replaced	2018-04-06		No	Emergency	2018-04-17	ND	2018-05-01												
5074697	A03_01	A03_01	229	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-09	2018-04-09	No		2018-04-14	ND	2018-04-23												
5074704	A03_01	A03_01	115	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-09	2018-04-09	No		2018-04-11	ND	2018-04-19												
5028197	Ops		1130	WINTERTON ST	Lead	Copper	PEX	Not Replaced	2018-04-10		No	Emergency	2018-04-11	6	2018-04-19												
5058491	A02_02	A02_02	312	BELONDA ST	Lead	Lead & Galvanized	PEX	Copper	2018-04-10	2018-04-10	No		2018-06-10	5.4	2018-07-06												
5058801	A02_02	A02_02	468	BELONDA ST	Lead	Lead	PEX	Copper	2018-04-10	2018-04-10	No		2018-04-11	ND	2018-04-19												
5074694	A03_01	A03_01	239	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-10	2018-04-10	No		2018-04-25	6.9	2018-05-03												
5074733	A03_01	A03_01	211	BONVUE ST	Lead	Lead	PEX	Copper	2018-04-10	2018-04-10	No		2018-05-01	ND	2018-05-08												
5074685	A03_01	A03_01	204	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-11	2018-04-11	No		2018-04-14	ND	2018-04-19												
5058811	A02_02	A02_02	189	BELONDA ST	Lead	Lead	PEX	Copper	2018-04-12	2018-04-12	No		2018-04-12	16	2018-04-30												
5058536	A02_02	A02_02	331	KEARSARGE ST	Lead	Lead	PEX	Copper	2018-04-13	2018-04-13	No		2018-04-19	ND	2018-04-27												
5058812	A02_02	A02_02	187	BELONDA ST	Lead	Lead	PEX	Copper	2018-04-16	2018-04-16	No		2018-04-20	4.9	2018-04-27												
5074419	A03_01	A03_01	28	BONVUE ST	Lead	Lead	PEX	Copper	2018-04-16	2018-04-16	No		2018-04-17	4.8	2018-04-24												
5074695	A03_01	A03_01	241	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-16	2018-04-16	No		2018-05-02	11	2018-05-17												
5074708	A03_01	A03_01	120	BONVUE ST	Lead	Lead	PEX	Copper	2018-04-16	2018-04-16	No		2018-04-19	ND	2018-04-27												
5036044	Ops		1325	SHADY AVE	Lead	Copper	PEX	Not Replaced	2018-04-17		No	Emergency	2018-04-19	8.6	2018-04-27												
5004052	Ops		5	OAKLAND SQ	Lead	PEX	PEX	Not Replaced	2018-04-18		No	Emergency	2018-04-26	3.4	2018-05-29												
5013622	Ops	BLG	258	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2018-04-18	2019-01-28	Yes	Emergency	2018-04-21	23	2018-04-27	2019-02-02	2.03	2019-02-12									
5074686	A03_01	A03_01	200	WALDORF ST	Lead	Lead	PEX	Copper	2018-04-18	2018-04-18	No		2018-07-22	4.8	2018-08-08												
5058892	A02_02	A02_02	123	WILBERT ST	Lead	Lead	PEX	Copper	2018-04-19	2018-04-19	No		2018-06-20	ND	2018-07-06												
5011433	Ops	BLG	248	SPAHR ST	Lead	Lead	PEX	Copper	2018-04-2																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5038914	A05_05	A05_05	2329	SHERBROOK ST	Lead	Lead	PEX	Copper	2018-05-24	2018-05-24	No		2018-07-28	4	2018-08-14												
5042175	Ops	BLG	7419	BEN HUR ST	Lead	Lead	PEX	Copper	2018-05-24	2018-12-04	Yes	Emergency	2018-05-30	22	2018-06-08	2018-08-08	30	2018-08-23	2018-12-05	ND	2018-12-17						
5043702	Ops		7440	BEN HUR ST	Lead	Copper	Copper	Not Replaced	2018-05-25		No	Emergency	2018-05-25	24	2018-06-25												
5056442	A01_03	A01_03	429	EDGEMONT ST	Lead	Lead	PEX	Copper	2018-05-25	2018-05-25	No		2018-05-29	ND	2018-06-08												
5006896	A06_06	A06_06	3349	WEBSTER AVE	Lead	Lead	PEX	Copper	2018-05-29	2018-05-29	No		2018-05-30	24	2018-06-08												
5038895	A05_05	A05_05	2342	SHERBROOK ST	Lead	Lead	PEX	Copper	2018-05-29	2018-05-29	No		2018-07-28	9	2018-08-09												
5057693	A01_03	A01_03	411	EDGEMONT ST	Lead	Lead	PEX	Copper	2018-05-29	2018-05-29	No		2018-05-30	ND	2018-06-06												
5056299	Ops		428	IBERIA ST	Lead	Copper	PEX	Not Replaced	2018-05-30		No	Emergency	2018-05-31	13	2018-06-18												
5057712	A01_03	A01_03	413	KINGSBORO ST	Lead	Lead	PEX	Copper	2018-05-30	2018-05-30	No		2018-06-14	5	2018-07-03												
5057728	A01_03	A01_03	418	KINGSBORO ST	Lead	Lead	PEX	Copper	2018-05-30	2018-05-30	No		2018-05-30	6	2018-06-08												
5038313	A05_05	A05_05	5815	NICHOLSON ST	Lead	Lead	PEX	Copper	2018-05-31	2018-05-31	No		2018-05-31	ND	2018-06-15												
5056463	A01_03	A01_03	434	KINGSBORO ST	Lead	Lead	PEX	Not Replaced	2018-05-31		Yes		2018-06-27	ND	2018-08-01												
5024062	Ops		1715	CHISLETT ST	Lead	Copper	PEX	Not Replaced	2018-06-01		No	Emergency	2018-06-04	ND	2018-06-15												
5038881	A05_05	A05_05	2341	ELDRIDGE ST	Lead	Lead	PEX	Not Replaced	2018-06-01		Yes		2018-08-01	37	2018-08-17												
5038898	A05_05	A05_05	2348	SHERBROOK ST	Lead	Lead	PEX	Copper	2018-06-01	2018-06-01	No		2018-06-02	8	2018-06-15												
5007021	A06_06	A06_06	3412	MILWAUKEE ST	Lead	Lead	PEX	Copper	2018-06-14	2018-06-04	Yes		2018-12-25	ND	2019-01-11												
5038307	A05_05	A05_05	5831	NICHOLSON ST	Lead	Lead	PEX	Copper	2018-06-04	2018-06-04	No		2018-06-07	4	2018-06-25												
5038909	A05_05	A05_05	2343	SHERBROOK ST	Lead	Lead	PEX	Copper	2018-06-04	2018-06-04	No		2018-06-08	9	2018-06-25	2018-08-31	10	2018-09-13									
5057727	A01_03	A01_03	416	KINGSBORO ST	Lead	Lead	PEX	Not Replaced	2018-06-04		Yes		2018-06-05	30	2018-06-25												
5061670	A04_04	A04_04	336	ARION ST	Lead	Lead	PEX	Copper	2018-06-04	2018-06-04	No		2018-10-04	ND	2018-10-18												
5007026	A06_06	A06_06	3426	MILWAUKEE ST	Lead	Lead	PEX	Copper	2018-06-05	2018-06-05	No		2018-06-07	4	2018-06-25												
5061621	A04_04	A04_04	20	SOFFEL ST	Lead	Lead	PEX	Copper	2018-06-05	2018-06-05	No		2018-06-12	ND	2018-07-03												
5006976	A06_06	A06_06	3374	MILWAUKEE ST	Lead	Lead	PEX	Copper	2018-06-06	2018-06-06	No		2018-06-09	5	2018-06-25												
5043696	Ops		7437	BEN HUR ST	Lead	Copper	PEX	Not Replaced	2018-06-06		No	Emergency	2018-06-12	ND	2018-07-03												
5056467	A01_03	A01_03	433	E WARRINGTON AVE	Lead	Copper	PEX	Not Replaced	2018-06-06		No		2018-06-07	42	2018-06-25												
5075650	A11_01	A11_01	4139	FRANKLIN RD	Lead	Lead	PEX	Copper	2018-06-06	2018-06-06	No		2018-06-11	ND	2018-07-03												
5058864	A02_02	A02_02	516	NATCHEZ ST	Lead	Lead	PEX	Copper	2018-06-07	2019-06-07	Yes		2018-06-09	19	2018-07-03												
5075653	A11_01	A11_01	4133	FRANKLIN RD	Lead	Copper	PEX	Not Replaced	2018-06-07		No		2018-09-06	ND	2018-10-12												
5075652	A11_01	A11_01	4135	FRANKLIN RD	Lead	Copper	PEX	Not Replaced	2018-06-07		No		2018-06-10	84	2018-07-03												
5006744	A06_06	A06_06	3483	MILWAUKEE ST	Lead	Lead	PEX	Copper	2018-06-08	2018-06-08	No		2018-06-10	7	2018-07-03												
5038305	A05_05	A05_05	5837	NICHOLSON ST	Lead	Lead	PEX	Copper	2018-06-08	2018-06-08	No		2018-06-12	ND	2018-07-03												
5074388	A11_01	A11_01	4008	FRANKLIN RD	Lead	Lead	PEX	Copper	2018-06-08	2018-06-08	No		2018-06-11	4	2018-07-03												
5061612	A04_04	A04_04	724	BOGGS AVE	Lead	Lead	PEX	Copper	2018-06-11	2018-06-11	No		2019-08-15	1.55	2019-08-26												
5061667	A04_04	A04_04	656	BOGGS AVE	Lead	Lead	PEX	Copper	2018-06-11	2018-06-11	No		2018-06-11	ND	2018-07-03	2018-06-12	318	2018-07-03									
5005205	Ops		3731	CHILDS ST	Lead	PEX	PEX	Not Replaced	2018-06-12		No	Emergency	2018-06-18	17	2018-07-08												
5007360	A06_06	A06_06	758	BRYN MAWR RD	Lead	Lead	PEX	Copper	2018-06-12	2018-06-12	No		2018-06-14	11	2018-07-03												
5007363	A06_06	A06_06	764	BRYN MAWR RD	Lead	Lead	PEX	Copper	2018-06-12	2018-06-12	No		2018-06-14	14	2018-08-01												
5038451	A05_05	A05_05	5905	NICHOLSON ST	Lead	Lead	PEX	Copper	2018-06-12	2018-06-12	No		2018-06-15	42	2018-08-01					</							

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5036582	A08_08	A08_08	6519	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-06-25		No		2018-06-28	ND	2018-08-01												
5057541	A13_03	A13_03	105	HARWOOD ST	Lead	Lead	PEX	Copper	2018-06-25	2018-06-25	No		2018-06-28	ND	2018-07-30												
5059248	A12_02	A12_02	246	DILWORTH ST	Lead	Copper	PEX	Not Replaced	2018-06-25		No		2018-06-26	ND	2018-07-08												
5049560	A15_05_B	A15_05_B	973	LILAC ST	Lead	Lead	Copper	Copper	2018-06-25	2018-06-25	No		2018-08-04	4	2018-08-21												
5075667	A11_01	A11_01	4100	FRANKLIN RD	Lead	Lead	PEX	Not Replaced	2018-06-25		Yes		2018-07-10	6	2018-07-30												
5057530	A13_03	A13_03	106	SECANE ST	Lead	Copper	PEX	Not Replaced	2018-06-25		No		2018-06-27	8	2018-07-30												
5024779	Ops		1341	CORDOVA RD	Lead	Copper	PEX	Not Replaced	2018-06-26		No	Emergency	2018-06-28	23	2018-07-19												
5038289	A05_05	A05_05	2302	PITTOCK ST	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-06-30	13	2018-07-19												
5057531	A13_03	A13_03	110	SECANE ST	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-06-30	4	2018-07-30												
5049531	A15_05_B	A15_05_B	928	LILAC ST	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-07-19	4	2018-08-03												
5042224	A08_08	A08_08	6526	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-06-26		No		2018-06-27	4	2018-08-01												
5056168	A13_03	A13_03	76	HARWOOD ST	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-07-27	14	2018-08-14												
5074512	A11_01	A11_01	3907	VINCETON ST	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-06-29	6	2018-07-19												
5075503	A11_01	A11_01	20	PERRYVIEW AVE	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-06-29	6	2018-07-30												
5075557	A11_01	A11_01	21	PERRYVIEW AVE	Lead	Lead	PEX	Copper	2018-06-26	2018-06-26	No		2018-06-29	9	2018-07-19												
5049572	A15_05_B	A15_05_B	947	LILAC ST	Lead	Lead	Copper	Copper	2018-06-27	2018-06-27	No		2018-06-28	5	2018-07-11												
5075502	A11_01	A11_01	22	PERRYVIEW AVE	Lead	Lead	PEX	Copper	2018-06-27	2018-06-27	No		2018-07-09	4	2018-07-30												
5074516	A11_01	A11_01	3906	VINCETON ST	Lead	Lead	PEX	Copper	2018-06-27	2018-06-27	No		2018-07-09	20	2018-07-30												
5049576	A15_05_B	A15_05_B	939	LILAC ST	Lead	Lead	PEX	Copper	2018-06-28	2018-06-28	No		2018-06-29	24	2018-07-19												
5042186	A08_08	A08_08	6549	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-06-28	2018-06-28	No		2018-06-29	ND	2018-07-19	2018-07-04	5	2018-07-30									
5056356	A13_03	A13_03	58	PASADENA ST	Lead	Lead	PEX	Copper	2018-06-28	2018-06-28	No		2018-07-01	ND	2018-07-30												
5056349	A13_03	A13_03	47	PASADENA ST	Lead	Lead	PEX	Copper	2018-06-28	2018-06-28	No		2018-06-29	ND	2018-07-19												
5042182	A08_08	A08_08	6531	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-06-28	2018-06-28	No		2018-07-12	ND	2018-07-30												
5054760	Ops		164	S 18TH ST	Lead	Copper	PEX	Not Replaced	2018-06-29		No	Emergency	2018-07-02	ND	2018-08-09												
5059275	A12_02	A12_02	201	DILWORTH ST	Lead	Lead	PEX	Copper	2018-06-29	2018-06-29	No		2018-07-01	ND	2018-07-30												
5056358	A13_03	A13_03	54	PASADENA ST	Lead	Lead	PEX	Copper	2018-06-29	2018-06-29	No		2018-07-04	ND	2018-07-30												
5049570	A15_05_B	A15_05_B	951	LILAC ST	Lead	Copper	PEX	Not Replaced	2018-06-29		No		2018-07-04	ND	2018-07-30												
5042180	A08_08	A08_08	6535	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-06-29	2018-06-29	No		2018-08-06	4	2018-08-23												
5042185	A08_08	A08_08	6537	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-06-29	2018-06-29	No		2018-08-03	ND	2018-08-23												
5042184	A08_08	A08_08	6541	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-02	2018-07-02	No		2018-07-03	530	2018-07-30												
5057607	A13_03	A13_03	82	PASADENA ST	Lead	Lead	PEX	Copper	2018-07-02	2018-07-02	No		2018-07-07	9	2018-07-30												
5036576	A08_08	A08_08	6520	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-07-02		No		2018-07-06	ND	2018-07-30												
5049559	A15_05_B	A15_05_B	975	LILAC ST	Lead	Lead	PEX	Copper	2018-07-02	2018-07-02	No		2018-07-07	11	2018-07-30												
5056351	A13_03	A13_03	53	PASADENA ST	Lead	Lead	PEX	Copper	2018-07-03	2018-07-03	No		2018-07-05	4	2018-07-30												
5025994	Ops		6014	BRYANT ST	Lead	Copper	PEX	Not Replaced	2018-07-04		No	Emergency	2018-07-24	5	2018-08-09												
5056350	A13_03	A13_03	49	PASADENA ST	Lead	Lead	PEX	Copper	2018-07-05	2018-07-05	No		2018-07-05	43	2018-07-30												
5042218	A08_08	A08_08	6554	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-06	2018-07-06	No		2018-07-07	6	2018-07-30												
5049584	A15_05_B	A15_05_B	929	LILAC ST	Lead	Lead	PEX	Copper	2018-07-06	2018-07-11	Yes		2018-07-15	ND	2018-08-01												
5042212	A08_08	A08_08	6622	NORTHUMBERLAND ST																							

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5056376	A13_03	A13_03	71	HABERMAN AVE	Lead	Copper	PEX	Not Replaced	2018-07-24		No		2018-07-26	ND	2018-08-07												
5041968	A08_08	A08_08	6659	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2018-07-30	4	2018-08-14												
5041969	A08_08	A08_08	6663	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2018-07-26	8	2018-08-07												
5056339	A13_03	A13_03	228	RUXTON ST	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2018-07-26	ND	2018-09-04												
5056369	A13_03	A13_03	53	HABERMAN AVE	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2018-07-28	ND	2018-08-14												
5049636	A15_05_B	A15_05_B	4110	WINDSOR ST	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2019-03-25	2.89	2019-04-16												
5042259	A08_08	A08_08	6628	DALZELL PL	Lead	Lead	PEX	Copper	2018-07-24	2018-07-24	No		2018-07-26	6	2018-08-07												
5059235	A12_02	A12_02	136	DILWORTH ST	Lead	Lead	PEX	Copper	2018-07-25	2018-07-25	No		2018-07-26	19	2018-08-14												
5042001	A08_08	A08_08	6615 B	RIDGEVILLE ST	Lead	Copper	PEX	Not Replaced	2018-07-25		No		2018-07-31	ND	2018-08-14												
5007397	Ops	BLG	928	BRYN MAWR RD	Lead	Lead	PEX	Copper	2018-07-26	2018-12-05	Yes	Emergency	2018-09-24	14	2018-10-10	2018-12-09	8.8	2019-01-04									
5059232	A12_02	A12_02	126	DILWORTH ST	Lead	Lead	PEX	Copper	2018-07-26	2018-07-26	No		2018-08-01	ND	2018-09-04												
5049723	A15_05_B	A15_05_B	4113	WINDSOR ST	Lead	Lead	PEX	Copper	2018-07-26	2018-07-26	No		2018-09-18	6	2018-10-12												
5042197	A08_08	A08_08	6658	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-07-26		No		2018-07-28	ND	2018-08-14												
5075569	A11_01	A11_01	36	BASCOM AVE	Lead	Lead	PEX	Not Replaced	2018-07-26		Yes		2018-08-08	ND	2018-08-23												
5042199	A08_08	A08_08	6660	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-07-26		No		2018-07-27	8	2018-08-09												
5056276	A13_03	A13_03	428	RUXTON ST	Lead	Lead	PEX	Copper	2018-07-26	2018-07-26	No		2018-07-29	12	2018-08-14												
5042245	A08_08	A08_08	6631	DALZELL PL	Lead	Lead	PEX	Copper	2018-07-26	2018-07-26	No		2018-07-28	15	2018-08-14												
5059223	A12_02	A12_02	614	NATCHEZ ST	Lead	Lead	PEX	Copper	2018-07-27	2018-07-27	No		2018-08-04	15	2018-08-21												
5041970	A08_08	A08_08	6667	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-30	2018-07-30	No		2018-08-01	10	2018-09-04												
5041971	A08_08	A08_08	6669	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-30	2018-07-30	No		2018-07-31	ND	2018-08-14												
5075575	A11_01	A11_01	60	BASCOM AVE	Lead	Lead	PEX	Not Replaced	2018-07-30		Yes		2018-08-02	32	2018-08-17	2019-02-08	2.48	2019-02-19									
5041972	A08_08	A08_08	6673	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2018-07-30	2018-07-30	No		2018-08-01	5	2018-08-21												
5075573	A11_01	A11_01	52	BASCOM AVE	Lead	Copper	PEX	Not Replaced	2018-07-30		No		2018-07-31	ND	2018-08-14												
5075576	A11_01	A11_01	64	BASCOM AVE	Lead	Copper	PEX	Not Replaced	2018-07-31		No		2018-08-01	5	2018-08-21												
5056342	A13_03	A13_03	224	RUXTON ST	Lead	Lead	PEX	Copper	2018-07-31	2018-07-31	No		2018-08-02	8	2018-08-21												
5055683	A13_03	A13_03	29	CRAIGHEAD ST	Lead	Copper	PEX	Not Replaced	2018-07-31		No		2018-08-01	16	2018-08-17	2019-01-20	ND	2019-02-06									
5056267	A13_03	A13_03	417	RUXTON ST	Lead	Lead	PEX	Copper	2018-08-01	2018-08-01	No		2018-08-14	8	2018-08-28												
5055667	A13_03	A13_03	56	CRAIGHEAD ST	Lead	Lead	PEX	Copper	2018-08-01	2018-08-01	No		2018-08-05	ND	2018-08-21												
5042022	A08_08	A08_08	6631 A	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-01	2018-08-01	No		2019-02-20	1.08	2019-02-27												
5042023	A08_08	A08_08	6631	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-01	2018-08-01	No		2018-08-02	12	2018-08-21												
5047722	Ops		253	FLOWERS AVE	Lead	Copper	PEX	Not Replaced	2018-08-02		No	Emergency	2019-02-22	14.3	2019-03-04												
5042253	A08_08	A08_08	6653	DALZELL PL	Lead	Copper	PEX	Not Replaced	2018-08-02		No		2018-08-03	10	2018-08-23												
5042252	A08_08	A08_08	6651	DALZELL PL	Lead	Lead	PEX	Copper	2018-08-02	2018-08-02	No		2018-08-04	4	2018-08-21												
5042191	A08_08	A08_08	1463	BARNESDALE ST	Copper	Lead	PEX	Copper	2018-08-02	2018-08-02	No		2018-08-05	6	2018-08-21												
5042021	A08_08	A08_08	6633	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-03	2018-08-03	No		2018-08-06	8	2018-08-23												
5042192	A08_08	A08_08	1465	BARNESDALE ST	Copper	Lead	PEX	Not Replaced	2018-08-03		Yes		2018-08-06	13	2018-08-21												
5075478	A11_01	A11_01	86	BASCOM AVE	Lead	Lead	PEX	Not Replaced	2018-08-03		Yes		2018-08-07	10	2018-08-23												
5042285	A08_08	A08_08	6537	AY																							

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5018188	A07_07	A07_07	4635	PLUMMER ST	Lead	Lead	PEX	Copper	2018-08-20	2018-08-20	No		2018-08-22	ND	2018-09-04												
5042249	A08_08	A08_08	6643	DALZELL PL	Lead	Lead	PEX	Copper	2018-08-20	2018-08-20	No		2018-08-21	32	2018-09-04												
5042032	A08_08	A08_08	6671	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-20	2018-08-20	No		2018-08-27	8	2018-09-11												
5018081	A07_07	A07_07	4737	HATFIELD ST	Lead	Copper	PEX	Not Replaced	2018-08-20	2018-08-20	No		2020-06-10	ND	2020-06-22												
5075632	A11_01	A11_01	4040	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2018-08-20	2018-08-20	No		2018-08-30	ND	2018-09-13												
5042235	A08_08	A08_08	6551	DALZELL PL	Lead	Lead	PEX	Copper	2018-08-21	2018-08-21	No		2018-08-22	8	2018-09-11												
5042031	A08_08	A08_08	6667	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-21	2018-08-21	No		2018-08-23	4	2018-09-11												
5042299	A08_08	A08_08	6659-6663	AYLESBORO AVE	Lead	Copper	PEX	Not Replaced	2018-08-21		No		2018-08-25	4	2018-09-11												
5075633	A11_01	A11_01	4042	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2018-08-21		No		2018-08-31	ND	2018-09-13												
5041956	A08_08	A08_08	1457	BARNESDALE ST	Lead	Lead	PEX	Copper	2018-08-22	2018-08-22	No		2018-08-22	6	2018-09-11	2018-08-23	ND	2018-09-11									
5018186	A07_07	A07_07	4639	PLUMMER ST	Lead	Lead	PEX	Copper	2018-08-22	2018-08-22	No		2018-08-27	4	2018-09-11												
5049706	A15_05_C	A15_05_C	1048	MIRROR ST	Lead	Lead	PEX	Copper	2018-08-22	2018-08-23	No		2018-08-25	15	2018-09-11												
5042297	A08_08	A08_08	6633	AYLESBORO AVE	Lead	Lead	PEX	Copper	2018-08-22	2018-08-22	No		2018-08-24	8	2018-09-11												
5018180	A07_07	A07_07	168	47TH ST	Lead	Lead	PEX	Copper	2018-08-22	2018-08-22	No		2018-09-02	13	2018-10-12												
5018179	A07_07	A07_07	4634	MODOC WAY	Lead	Lead	PEX	Copper	2018-08-22	2018-08-22	No		2018-08-27	5	2018-09-11												
5049704	A15_05_C	A15_05_C	1040	MIRROR ST	Lead	Copper	PEX	Not Replaced	2018-08-22		No		2018-08-23	10	2018-09-06												
5078902	Ops	BLG	3415	DIPLOMA ST	Lead	Lead	PEX	Copper	2018-08-23	2019-01-29	Yes	Emergency	2019-03-31	2.02	2019-04-10												
5018181	A07_07	A07_07	170	47TH ST	Lead	Lead	PEX	Copper	2018-08-23	2018-08-23	No		2018-08-23	ND	2018-09-06												
5042281	A08_08	A08_08	6527	AYLESBORO AVE	Lead	Copper	PEX	Not Replaced	2018-08-23		No		2018-08-26	12	2018-09-11	2018-08-27	4	2018-09-11									
5041974	A08_08	A08_08	6672	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-23	2018-08-23	No		2018-08-25	20	2018-09-11												
5018590	A07_07	A07_07	187	47TH ST	Lead	Copper	PEX	Not Replaced	2018-08-23		No		2018-08-24	570	2018-09-11	2018-11-17	ND	2018-12-05									
5042275	A08_08	A08_08	6530	DALZELL PL	Lead	Lead	PEX	Copper	2018-08-24	2018-08-24	No		2018-08-27	15	2018-10-08												
5018091	A07_07	A07_07	4715	HATFIELD ST	Lead	Copper	PEX	Not Replaced	2018-08-24		No		2018-10-14	ND	2018-11-08												
5041976	A08_08	A08_08	6666	RIDGEVILLE ST	Lead	Lead	PEX	Copper	2018-08-24	2018-08-24	No		2018-08-27	4	2018-09-11												
5042268	A08_08	A08_08	6600	DALZELL PL	Lead	Copper	PEX	Not Replaced	2018-08-24		No		2018-10-29	5.4	2018-11-08												
5042279	A08_08	A08_08	6517	AYLESBORO AVE	Lead	Lead	PEX	Copper	2018-08-24	2018-08-24	No		2018-09-11	14	2018-10-12												
5042232	A08_08	A08_08	6541	DALZELL PL	Lead	Lead	PEX	Copper	2018-08-27	2018-08-27	No		2018-08-28	13	2018-09-11												
5075637	A11_01	A11_01	4060	PERRYSVILLE AVE	Lead	Lead	PEX	Not Replaced	2018-08-27		Yes		2018-08-27	ND	2018-09-11												
5075643	A11_01	A11_01	4128	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2018-08-28	2018-08-28	No		2018-08-30	6	2018-09-11												
5042272	A08_08	A08_08	6538	DALZELL PL	Lead	Copper	PEX	Not Replaced	2018-08-28		No		2018-10-03	ND	2018-10-18												
5049349	A15_05_C	A15_05_C	1029-1031	FLEMINGTON ST	Lead	Lead	PEX	Copper	2018-08-28	2018-08-28	No		2018-09-07	ND	2018-10-12												
5018109	A07_07	A07_07	151	HOME ST	Lead	Lead	PEX	Copper	2018-08-28	2018-08-28	No		2018-08-29	6	2018-09-11												
5075644	A11_01	A11_01	4130	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2018-08-28		No		2018-08-29	ND	2018-09-13												
5018554	A07_07	A07_07	154	HOME ST	Lead	Lead	PEX	Copper	2018-08-28	2018-08-28	No		2018-09-04	ND	2018-10-12												
5018573	A07_07	A07_07	169	HOME ST	Lead	Lead	PEX	Copper	2018-08-28	2018-08-28	No		2018-09-25	7	2018-10-08												
5020006	Ops	BLG	310	54TH ST	Lead	Lead	PEX	Copper	2018-08-29	2019-02-21	Yes	Emergency	2019-02-22	5.65	2019-03-04												
5018585	A07_07	A07_07	177	HOME ST	Lead	Lead	PEX	Copper	2018-08-29	2018-08-29	No		2018-09-08	16	2018-10-12												
5018552	A07_07	A07_07	158	HOME ST	Lead	Lead	PEX	Copper	2018-08-29	2018-08-29	No		2018-08-30	7	2018-09-11		</										

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5057002	Ops	BLG_01	309	BELTZHOOVER AVE	Lead	Lead	PEX	Copper	2018-09-19	2019-07-02	Yes	Emergency	2018-10-31	7	2019-01-08												
5011435	A18_08	A18_08	5939	ALDER ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-11-11	ND	2018-11-27												
5011388	A18_08	A18_08	5829	ALDER ST	Lead	Copper	PEX	Not Replaced	2018-09-19		No		2018-09-25	ND	2018-10-08												
5011434	A18_08	A18_08	5937	ALDER ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-10-19	7.5	2018-11-08												
5054103	A14_03	A14_03	1921	WHARTON ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-09-22	67	2019-01-08	2019-02-06	2.6	2019-02-12									
5017991	Plum Way Water Relay	Plum Way Water Relay	4841	HATFIELD ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-09-23	ND	2018-10-08												
5011389	A18_08	A18_08	5833	ALDER ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-09-24	ND	2018-10-12												
5054104	A14_03	A14_03	1923	WHARTON ST	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-09-27	5.6	2018-10-18												
5122356	A10_M	A10_M	426	NORTH AVE	Lead	Lead	PEX	Copper	2018-09-19	2018-09-19	No		2018-09-21	ND	2018-10-12												
5122373	A10_M	A10_M	452	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-20	2018-09-20	No		2018-09-21	ND	2018-10-12												
5011437	A18_08	A18_08	5933B	ALDER ST	Lead	Lead	PEX	Copper	2018-09-20	2018-09-20	No		2018-09-23	44	2018-10-08	2019-02-13	ND	2019-02-19									
5122322	A10_M	A10_M	302	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-21	2018-09-22	No		2019-01-04	ND	2019-01-11												
5122367	A10_M	A10_M	442	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-21	2018-09-21	No		2018-10-24	ND	2018-11-08												
5054105	A14_03	A14_03	1925	WHARTON ST	Lead	Copper	PEX	Not Replaced	2018-09-21		No		2018-09-23	6	2018-10-12												
5122327	A10_M	A10_M	308	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-21	2018-09-21	No		2018-09-26	ND	2018-10-08												
5122325	A10_M	A10_M	306	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-22	2018-09-22	No		2018-09-25	4.6	2018-10-18												
5122360	A10_M	A10_M	433	NORTH AVENUE	Lead	Copper	PEX	Not Replaced	2018-09-22		No		2018-09-25	5	2018-10-08												
5067972	Ops	BLG_01	1356	LOWRIE ST	Lead	Lead	PEX	Copper	2018-09-23	2021-06-07	Yes	Emergency	2021-06-10	2.04	2021-07-06												
5035019	Ops	BLG	419	SALINE ST	Lead	Lead	PEX	Copper	2018-09-24	2019-01-24	Yes	Emergency	2018-09-25	48	2018-10-08	2019-01-29	2.4	2019-02-06									
5011504	A18_08	A18_08	331	SPAHR ST	Lead	Lead	PEX	Copper	2018-09-24	2018-09-24	No		2018-10-04	ND	2018-10-18												
5011503	A18_08	A18_08	333	SPAHR ST	Lead	Lead	PEX	Copper	2018-09-24	2018-09-24	No		2018-09-27	5.8	2018-10-18												
5011488	A18_08	A18_08	369	SPAHR ST	Lead	Lead	PEX	Copper	2018-09-24	2018-09-24	No		2018-09-26	13	2018-10-08												
5049653	A15_05_A	A15_05_A	921	KENNEBEC ST	Lead	Lead	PEX	Copper	2018-09-25	2018-09-25	No		2018-10-03	40	2019-01-03												
5049614	A15_05_A	A15_05_A	940	KENNEBEC ST	Lead	Lead	PEX	Copper	2018-09-25	2018-09-25	No		2018-09-28	ND	2018-10-18												
5122339	A10_M	A10_M	324	NORTH AVENUE	Lead	Lead	PEX	Copper	2018-09-25	2018-09-25	No		2018-10-01	ND	2018-10-18												
5054109	A14_03	A14_03	50	S 20TH ST	Lead	Lead	PEX	Copper	2018-09-25	2018-09-25	No		2018-09-26	7	2018-11-01												
5066095	Ops	BLG	1315	ARCH ST	Lead	Lead	PEX	Not Replaced	2018-09-26		Yes	Emergency	2018-09-29	16.2	2018-10-18	2019-02-18	ND	2019-03-12									
5054147	A14_03	A14_03	1927	SIDNEY ST	Lead	Lead	PEX	Copper	2018-09-26	2018-09-26	No		2018-09-30	ND	2018-10-18												
5011483	A18_08	A18_08	346	SPAHR ST	Lead	Copper	PEX	Not Replaced	2018-09-26		No		2018-09-28	ND	2018-10-18												
5054155	A14_03	A14_03	1918	SIDNEY ST	Lead	Copper	PEX	Not Replaced	2018-09-26		No		2018-10-10	ND	2018-10-18												
5049641	A15_05_A	A15_05_A	955	KENNEBEC ST	Lead	Galvanized Iron	PEX	Copper	2018-09-26	2018-09-26	No		2018-10-07	8	2018-10-18												
5012023	A18_08	A18_08	371	SPAHR ST	Lead	Copper	PEX	Not Replaced	2018-09-27		No		2018-09-30	ND	2018-10-18												
5011396	A18_08	A18_08	626	COLLEGE ST	Lead	Copper	PEX	Not Replaced	2018-09-27		No		2018-10-01	4.5	2018-10-18												
5054157	A14_03	A14_03	1914	SIDNEY ST	Lead	Copper	PEX	Not Replaced	2018-09-27		No		2018-10-03	18.4	2018-10-18												
5122297	A10_M	A10_M	112	NORTH AVE	Lead	Lead	PEX	Copper	2018-09-27	2018-09-27	No		2018-10-10	ND	2018-10-31												
5011393	A18_08	A18_08	620	COLLEGE AVE	Lead	Lead	PEX	Copper	2018-09-27	2018-09-27	No		2018-09-28	29	2018-10-18												
5056548	Ops		66	MILLBRIDGE ST	Lead	Copper	PEX	Not Replaced	2018-09-28		No	Emergency	2019-04-06	1.86	2019-04-16												
5011397	A18_08	A18_08	5901	ALDER ST	Lead	Copper	PEX	Not Replaced	2018-09-28		No		2018-09-29	7.9	2018-10-18												
5011500																											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5049652	A15_05_A	A15_05_A	923	KENNEBEC ST	Lead	Lead	PEX	Not Replaced	2018-10-16		Yes		2018-10-19	23.6	2018-11-01	2019-02-15			2019-04-10	8.38	2019-04-24						
5049691	A15_05_A	A15_05_A	1045	WELFER ST	Lead	Copper	PEX	Not Replaced	2018-10-17		No		2018-10-22	ND	2018-11-08												
5049662	A15_05_A	A15_05_A	893	KENNEBEC ST	Lead	Lead	PEX	Copper	2018-10-17	2018-10-17	No		2018-10-18	15	2018-11-08	2019-05-17	15.3	2019-05-29									
5012372	Ops	A18_08	5720	WALNUT ST	Lead	Lead	PEX	Copper	2018-10-17	2018-10-18	Yes	Emergency	2018-10-20	8.1	2018-11-08												
5029669	Ops	BLG	6428	MEADOW ST	Lead	Lead	PEX	Copper	2018-10-18	2019-02-21	Yes	Emergency	2019-02-25	4.93	2019-03-12												
5045789	A15_05_A	A15_05_A	839	MIRROR ST	Lead	Lead	PEX	Copper	2018-10-18	2018-10-18	No		2018-10-29	ND	2018-11-08												
5012478	A18_08	A18_08	5900	HOWE ST	Lead	Copper	PEX	Not Replaced	2018-10-18		No		2018-10-25	1.6	2018-11-08												
5050943	A14_03	A14_03	2303	SARAH ST	Lead	Lead	PEX	Copper	2018-10-18	2018-10-18	No		2018-10-19	8.6	2018-11-01												
5011929	A18_08	A18_08	657	MARYLAND AVE	Lead	Copper	PEX	Not Replaced	2018-10-18		No		2018-10-22	5	2019-01-14												
5011930	A18_08	A18_08	655	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-18	2018-10-18	No		2018-10-19	3.5	2018-11-08												
5011879	A18_08	A18_08	5733	WALNUT ST	Lead	Lead	PEX	Copper	2018-10-19	2018-10-19	No		2018-10-27	ND	2019-01-14												
5035108	Ops		1081	SHADY AVE	Lead	PEX	PEX	Not Replaced	2018-10-22		No	Emergency	2018-10-24	52	2018-11-08												
5011894	A18_08	A18_08	704	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-22	2018-10-22	No		2018-10-22	5.9	2018-11-08												
5012481	A18_08	A18_08	908	COLLEGE AVE	Lead	Lead	PEX	Not Replaced	2018-10-22		Yes		2018-10-24	550	2018-11-08												
5049422	A15_05_A	A15_05_A	1027	MIRROR ST	Lead	Lead	PEX	Copper	2018-10-22	2018-10-22	No		2018-11-01	ND	2019-01-08												
5049454	A15_05_A	A15_05_A	934	MIRROR ST	Lead	Copper	PEX	Not Replaced	2018-10-22		No		2018-10-23	21.4	2018-11-08	2019-02-08	1.01	2019-02-19									
5011917	A18_08	A18_08	703	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-22	2018-10-22	No		2018-10-25	8.7	2018-11-08												
5045790	A15_05_A	A15_05_A	837	MIRROR ST	Lead	Lead	PEX	Copper	2018-10-23	2018-10-23	No		2018-10-25	22.4	2018-11-08	2019-02-27	3.34	2019-03-12									
5011895	A18_08	A18_08	706	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-23	2018-10-23	No		2018-10-24	18.8	2018-11-08	2019-03-06	6.27	2019-03-12									
5051002	A14_03	A14_03	2413	SARAH ST	Lead	Copper	PEX	Not Replaced	2018-10-23		No		2018-10-25	ND	2018-11-27	2018-11-02	ND	2018-11-27									
5045786	A15_05_A	A15_05_A	860	MIRROR ST	Lead	Copper	PEX	Not Replaced	2018-10-23		No		2018-10-30	ND	2019-01-08												
5050999	A14_03	A14_03	2407	SARAH ST	Lead	Copper	PEX	Not Replaced	2018-10-23		No		2018-10-25	7.1	2018-11-27												
5011918	A18_08	A18_08	701	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-23	2018-10-23	No		2018-10-29	3	2018-11-08												
5011896	A18_08	A18_08	708	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-24	2018-10-24	No		2018-10-26	15.6	2018-11-08	2019-03-17	3.05	2019-03-26									
5050777	A14_03	A14_03	2213	SARAH ST	Lead	Copper	PEX	Not Replaced	2018-10-24		No		2018-10-25	4.8	2018-11-13												
5011969	A18_08	A18_08	5822	WALNUT ST	Lead	Copper	PEX	Not Replaced	2018-10-24		No		2018-11-26	4.1	2018-12-05												
5122238	A10_M	A10_M	609	FREMONT STREET	Lead	Copper	PEX	Not Replaced	2018-10-24		No		2018-10-26	ND	2019-01-08												
5051013	A14_03	A14_03	2416	CAREY WAY	Lead	Copper	PEX	Not Replaced	2018-10-24		No		2018-11-30	33.6	2018-12-10												
5056912	Ops	BLG	921	MANTON WAY	Lead	Lead	PEX	Copper	2018-10-25	2019-02-18	Yes	Emergency	2018-12-21	ND	2019-01-11												
5051015	A14_03	A14_03	2418	CAREY WAY	Lead	Copper	PEX	Not Replaced	2018-10-25		No		2018-11-04	3.5	2018-11-27												
5011970	A18_08	A18_08	5834	WALNUT ST	Lead	Lead	PEX	Copper	2018-10-25	2018-10-25	No		2018-10-29	8	2019-01-14												
5011951	A18_08	A18_08	5823	ELMER ST	Lead	Lead	PEX	Copper	2018-10-25	2018-10-25	No		2018-11-03	ND	2018-11-27												
5051018	A14_03	A14_03	2424	CAREY WAY	Lead	Lead	PEX	Copper	2018-10-25	2018-10-25	No		2018-10-26	ND	2019-01-08												
5011898	A18_08	A18_08	716	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-25	2018-10-25	No		2018-11-02	10	2019-01-14												
5049436	A15_05_A	A15_05_A	1024	MIRROR ST	Lead	Copper	PEX	Not Replaced	2018-10-25		No		2018-10-31	18	2019-01-08												
5050774	A14_03	A14_03	2207	SARAH ST	Lead	Copper	PEX	Not Replaced	2018-10-25		No		2018-11-19	4.9	2019-01-02												
5011921	A18_08	A18_08	5821	ELMER ST	Lead	Lead	PEX	Not Replaced	2018-10-26		Yes		2018-12-11	11.8	2018-12-17												
5022128	A17_07		1100	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-10-30	2018-10-30	No		2018-10-30	3.1	2018-11-09	2018-11-05	ND	2018-11-27									
5012513	A18_08	A18_08	5806	WALNUT ST	Lead	Lead	PEX	Copper	2018-10-31	2018-10-31	No		2018-11-02	3.9	2018-11-27												
5012360	A18_08	A18_08	820	MARYLAND AVE	Lead	Lead	PEX	Copper	2018-10-31	2018-10-31	No		2018-11-01	ND	2019-01-14												
5011875	A18_08	A18_08	5743	ELMER ST	Lead	Copper	PEX	Not Replaced	2018-10-31		No		2018-11-16	ND	2018-12-05												
5011922	A18_08	A18_08	5819	ELMER ST	Lead	Lead	PEX	Copper	2018-11-01	2018-11-01	No		2018-12-08	ND	2018-12-17												
5022132	A17_07	A17_07	1110	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-01	2018-11-01	No		2018-11-04	1.4	2018-11-27												
5022133	A17_07	A17_07	1112	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-01	2018-11-01	No		2018-12-21	ND	2019-01-07												
5022139	A17_07	A17_07	1136	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-02	2018-11-02	No		2018-11-05	1.9	2018-11-27												
5078289	Ops	BLG	3400	MASSACHUSETTS AVE	Lead	Lead	PEX	Copper	2018-11-03	2019-03-01	Yes	Emergency	2019-03-03	3.43	2019-03-12												
5034879	Ops		5387	NORTHUMBERLAND ST	Lead	Copper	PEX	Not Replaced	2018-11-05		No	Emergency	2018-11-11	1.1	2018-11-27												
5022134	A17_07	A17_07	1116	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-05	2018-11-05	No		2018-11-08	1.3	2018-11-27												
5012526	A18_08	A18_08	5833	HOWE ST	Lead	Lead	PEX	Copper	2018-11-05	2018-11-05	No		2018-11-06	5.8	2018-11-27												
5012508	A18_08	A18_08	5747	KENTUCKY AVE	Lead	Copper	PEX	Not Replaced	2018-11-05		No		2019-03-15	2.8	2019-04-10												
5070978	A16_06	A16_06	1402	MONTEREY ST	Lead	Lead	Copper	Copper	2018-11-05	2018-11-05	No		2019-01-02	ND	2019-01-11												
5012420	A18_08	A18_08	5731	KENTUCKY AVE	Lead	Copper	PEX	Not Replaced	2018-11-05		No		2018-12-20	5.1	2019-01-07												
5022147	A17_07	A17_07	1166	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-06	2018-11-06	No		2018-11-13	1.3	2018-11-27												
5022146	A17_07	A17_07	1162	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-06	2018-11-06	No		2018-11-07	1	2018-11-27												
5012523	A18_08	A18_08	5809	HOWE ST	Lead	Lead	PEX	Copper	2018-11-06	2018-11-06	No		2018-11-16	ND	2018-12-05												
5070979	A16_06	A16_06	1404	MONTEREY ST	Lead	Lead	Copper	Copper	2018-11-06	2018-11-06	No		2018-11-15	ND	2018-11-27												
5022148	A17_07	A17_07	1170	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-06	2018-11-06	No		2018-11-06	3	2018-11-27	2018-11-27	ND	2018-12-05									
5012458	A18_08	A18_08	5816	KENTUCKY AVE	Lead	Copper	PEX	Not Replaced	2018-11-06		No		2018-11-10	4.7	2018-11-27												
5022145	A17_07	A17_07	1158	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-06	2018-11-06	No		2018-11-10	ND	2018-11-27												
5022138	A17_07	A17_07	1132	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-06	2018-1																	

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5022107	A17_07	A17_07	1167	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-13	2018-11-13	No		2018-11-15	5.3	2018-12-05												
5021941	A17_07	A17_07	1247	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-13	2018-11-13	No		2018-11-13	7.7	2018-12-05												
5012395	A18_08	A18_08	5740	HOWE ST	Lead	Lead	PEX	Copper	2018-11-14	2018-11-14	No		2018-11-17	ND	2018-12-05												
5021927	A17_07	A17_07	1201	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-14		No		2018-11-18	ND	2018-12-05												
5012405	A18_08	A18_08	5712	HOWE ST	Lead	Lead	PEX	Copper	2018-11-14	2018-11-14	No		2018-11-15	ND	2018-12-05												
5012488	A18_08	A18_08	5819	KENTUCKY AVE	Lead	Lead	PEX	Copper	2018-11-14	2018-11-14	No		2019-02-11	4.53	2019-02-27												
5021929	A17_07	A17_07	1207	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-14		No		2018-11-17	ND	2018-12-05												
5070931	A16_06	A16_06	1517	BUENA VISTA ST	Lead	PEX	Copper	Not Replaced	2018-11-14		No		2018-11-18	ND	2018-12-05												
5028790	A09_09	A09_09	1149	PAULSON AVE	Lead	Lead	PEX	Copper	2018-11-14	2018-11-14	No		2018-11-15	6	2018-11-27												
5021959	A17_07	A17_07	1400	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-15	2018-11-15	No		2018-11-19	ND	2018-12-05												
5012394	A18_08	A18_08	5742	HOWE ST	Lead	Lead	PEX	Copper	2018-11-15	2018-11-15	No		2018-11-27	ND	2018-12-05												
5011908	A18_08	A18_08	5803	WALNUT ST	Lead	Lead	PEX	Copper	2018-11-15	2018-11-15	No		2018-11-17	29	2018-12-05												
5021958	A17_07	A17_07	1404	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-15	2018-11-15	No		2018-11-18	ND	2018-12-05												
5073741	Ops		400	MILROY ST	Lead	PEX	PEX	Not Replaced	2018-11-16		No	Emergency	2018-11-17	6.7	2018-12-05												
5024285	A17_07	A17_07	1436	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-16	2018-11-16	No		2018-11-20	ND	2018-12-05												
5012425	A18_08	A18_08	5741	KENTUCKY AVE	Lead	Lead	PEX	Copper	2018-11-16	2018-11-23	Yes		2018-11-29	6.9	2018-12-10												
5012406	A18_08	A18_08	901	S NEGLEY AVE	Lead	Lead	PEX	Copper	2018-11-16	2018-11-16	No		2018-11-27	ND	2018-12-05												
5021955	A17_07	A17_07	1414	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-16	2018-11-16	No		2018-11-19	ND	2018-12-05												
5012397	A18_08	A18_08	5734-5736	HOWE ST	Lead	Lead	PEX	Copper	2018-11-16	2018-11-16	No		2018-11-17	ND	2018-12-05												
5072550	Ops	BLG	309	ELSDON ST	Lead	Lead	PEX	Copper	2018-11-17	2019-03-07	Yes	Emergency	2019-02-26	99.9	2019-03-04												
5021954	A17_07	A17_07	1418	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-19	2018-11-19	No		2018-11-22	ND	2018-12-05												
5021943	A17_07	A17_07	1257	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-19		No		2018-11-25	70	2018-12-05	2019-03-25	ND	2019-04-01									
5021945	A17_07	A17_07	1401	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-19		No		2018-11-24	ND	2018-12-05												
5021953	A17_07	A17_07	1422	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-19		No		2018-11-23	ND	2018-12-05												
5070504	A16_06	A16_06	708	ARMANDALE ST	Lead	Lead	Copper	Copper	2018-11-19	2018-11-19	No		2018-11-27	ND	2018-12-05												
5029209	A09_09	A09_09	1118 1/2	PAULSON AVE	Lead	Lead	PEX	Copper	2018-11-19	2018-11-19	No		2018-11-20	12.4	2018-12-05												
5046499	Ops		4311	GLADSTONE ST	Lead	PEX	PEX	Not Replaced	2018-11-20		No	Emergency	2018-12-10	4.4	2019-01-04												
5012407	A18_08	A18_08	907	S NEGLEY AVE	Lead	Lead	PEX	Copper	2018-11-20	2018-11-20	No		2019-11-17	5.08	2019-12-03												
5024283	A17_07	A17_07	1444	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-20	2018-11-20	No		2018-11-23	ND	2018-12-05												
5024298	A17_07	A17_07	1443	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-11-20	2018-11-20	No		2018-11-21	ND	2018-12-05												
5024301	A17_07	A17_07	1609	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-20		No		2018-12-30	ND	2019-01-11												
5070445	A16_06	A16_06	517	ARMANDALE ST	Lead	Lead	Copper	Copper	2018-11-20	2018-11-20	No		2018-11-20	11	2019-03-28												
5028805	A09_09	A09_09	6425	APPLE AVE	Lead	Copper	PEX	Not Replaced	2018-11-20		No		2018-11-23	ND	2018-12-05												
5061059	Ops	BLG_01	165	OLYMPIA ST	Lead	Lead	PEX	Copper	2018-11-21	2019-08-19	Yes	Emergency	2019-09-02	2.49	2019-09-09												
5021950	A17_07	A17_07	1413	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-21		No		2018-11-28	59	2018-12-05	2019-02-15	5.73	2019-02-27									
5070384	A16_06	A16_06	522	ARMANDALE ST	Lead	Lead	Copper	Copper	2018-11-21	2018-11-21	No		2018-11-25	ND	2018-12-05												
5021948	A17_07	A17_07	1407	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-11-21		No		2019-01-07	ND	2019-01-11												
5070385	A16_06	A16_06	524	ARMANDALE ST	Lead	Copper	Copper	Not Replaced	2018-11-21		No		2018-12-21	ND	2019-01-07												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5023540	A17_07	A17_07	1821	MORNINGSIDE AVE	Lead	Copper	PEX	Not Replaced	2018-12-12	2018-12-12	No		2019-05-14	1.5	2019-05-21												
5058987	A12_02_A	A12_02_A	5	NORTON ST	Lead	Lead	PEX	Copper	2018-12-12	2018-12-12	No		2018-12-14	ND	2019-01-04												
5071070	A16_06	A16_06	1401	ARCH ST	Lead	Lead	Copper	Copper	2018-12-12	2018-12-12	No		2018-12-13	ND	2019-03-28												
5071040	A16_06	A16_06	303	JACKSONIA ST	Lead	Copper	Copper	Not Replaced	2018-12-12		No		2019-03-28	2.13	2019-04-16												
5069433	Ops	BLG_01	1806	RIALTO ST	Lead	Lead	PEX	Copper	2018-12-13	2019-04-18	Yes	Emergency	2018-12-14	43	2019-01-04	2019-04-19	11.6	2019-04-30	2019-11-03	1.97	2019-11-11						
5023534	A17_07	A17_07	1833	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-12-13	2018-12-13	No		2018-12-21	28.8	2019-01-07	2019-03-06	13.5	2019-03-12									
5071077	A16_06	A16_06	1404	ARCH ST	Lead	Copper	Copper	Not Replaced	2018-12-13		No		2018-12-14	7.8	2019-01-04												
5023908	A17_07	A17_07	1807	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-12-14	2018-12-14	No		2018-12-15	5.9	2019-01-04												
5023528	A17_07	A17_07	1824	DUFFIELD ST	Lead	Lead	PEX	Copper	2018-12-14	2018-12-14	No		2018-12-21	24.8	2019-01-07	2019-03-20	12.6	2019-03-26									
5070595	A16_06	A16_06	110	CARRINGTON ST	Lead	Copper	Copper	Not Replaced	2018-12-14		No		2018-12-19	6.1	2019-01-07												
5023498	A17_07	A17_07	1853	MORNINGSIDE AVE	Lead	Lead	PEX	Not Replaced	2018-12-15		Yes		2018-12-18	1.7	2019-03-28												
5023527	A17_07	A17_07	1820	DUFFIELD ST	Lead	Lead	PEX	Copper	2018-12-17	2018-12-17	No		2018-12-18	26.4	2019-01-07	2019-04-02	421	2019-04-10	2019-04-29	34	2019-05-07						
5023547	A17_07	A17_07	1832	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-12-17	2018-12-17	No		2018-12-19	ND	2019-01-07												
5070668	A16_06	A16_06	318	JACKSONIA ST	Lead	Copper	Copper	Not Replaced	2018-12-17		No		2019-01-13	ND	2019-01-28												
5058995	A12_02_A	A12_02_A	8	NORTON ST	Lead	Lead	PEX	Copper	2018-12-18	2018-12-18	No		2018-12-20	5.9	2019-01-07												
5069029	CEP	CEP	2104	STRAUBS LN	Lead	Lead	PEX	Copper	2018-12-18	2018-12-18	No		2018-12-19	ND	2019-01-07												
5023543	A17_07	A17_07	1813	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-12-18	2018-12-18	No		2018-12-21	16.2	2019-01-07	2019-04-19	4.51	2019-04-24									
5070639	A16_06	A16_06	1525	SATURN WAY	Lead	Lead	Copper	Copper	2018-12-18	2018-12-18	No		2019-01-03	ND	2019-01-11												
5023938	A17_07	A17_07	1720	MORNINGSIDE AVE	Lead	Lead	PEX	Not Replaced	2018-12-19		Yes		2019-03-07	90.4	2019-03-19												
5058626	A12_02_A	A12_02_A	122	PROSPECT ST	Lead	Lead	PEX	Copper	2018-12-19	2018-12-19	No		2018-12-19	9.5	2019-01-07												
5058960	A12_02_A	A12_02_A	32	NORTON ST	Lead	Lead	PEX	Copper	2018-12-19	2018-12-19	No		2018-12-21	9.6	2019-01-07												
5023554	A17_07	A17_07	1850	MORNINGSIDE AVE	Lead	Lead	PEX	Copper	2018-12-19	2018-12-19	No		2019-01-13	1.73	2019-03-28												
5058967	A12_02_A	A12_02_A	35	NORTON ST	Lead	Copper	PEX	Not Replaced	2018-12-19		No		2018-12-19	ND	2019-01-07												
5070640	A16_06	A16_06	402	ALPINE AVE	Lead	Lead	Copper	Copper	2018-12-19	2018-12-19	No		2018-12-20	ND	2019-01-07												
5070706	A16_06	A16_06	26	JACKSONIA ST	Lead	Lead	Copper	Copper	2018-12-21	2018-12-21	No		2018-12-27	250	2019-03-28												
5024322	A17_07	A17_07	1640	DUFFIELD ST	Lead	Lead	PEX	Copper	2018-12-21	2018-12-21	No		2019-04-18	ND	2019-04-24												
5070674	A16_06	A16_06	300	JACKSONIA ST	Lead	Lead	Copper	Copper	2018-12-21	2018-12-21	No		2018-12-26	4.3	2019-01-07												
5024323	A17_07	A17_07	1636	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-21		No		2018-12-22	ND	2019-01-07												
5041613	Ops	BLG_01	618	WORTH ST	Lead	Lead	PEX	Copper	2018-12-22	2019-05-30	Yes	Emergency	2018-12-25	26.4	2019-01-07	2019-05-31	9.17	2019-06-25									
5024324	A17_07	A17_07	1634	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-22		No		2018-12-26	ND	2019-01-07												
5024326	A17_07	A17_07	1628	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-26		No		2018-12-29	ND	2019-01-07												
5024327	A17_07	A17_07	1624	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-26		No		2018-12-29	ND	2019-01-11												
5023831	A17_07	A17_07	1657	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-26		No		2018-12-30	ND	2019-01-11												
5058624	A12_02_A	A12_02_A	126	PROSPECT ST	Lead	Lead	PEX	Copper	2018-12-27	2018-12-27	No		2019-01-02	ND	2019-01-11												
5024364	A17_07	A17_07	1631	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-27		No		2019-01-09	ND	2019-01-22												
5024363	A17_07	A17_07	1627	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-28		No		2019-01-06	ND	2019-01-11												
5024333	A17_07	A17_07	1606	DUFFIELD ST	Lead	Lead	PEX	Copper	2018-12-28	2018-12-28	No		2018-12-28	14.2	2019-01-07	2018-12-29	ND	2019-01-11									
5035828	Ops	BLG_01	5512	WILKINS AVE	Lead	Lead	PEX	Copper	2018-12-29	2019-04-25	Yes	Emergency	2019-07-06	4.26	2019-07-15												
5024367	A17_07	A17_07	1639	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2018-12-29		No		2019-01-04	ND	2019-01-11												
5024355	A17_07	A17_07	1601	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-02		No		2019-03-25	ND	2019-04-01												
5066103	A16_06	A16_06	109	SAMPSONIA WAY	Lead	Copper	Copper	Copper	2019-01-02		No		2019-01-28	4.8	2019-02-06												
5066100	A16_06	A16_06	103	SAMPSONIA WAY	Lead	Copper	Copper	Not Replaced	2019-01-02		No		2019-03-27	ND	2019-04-10												
5024338	A17_07	A17_07	1438	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-02		No		2019-01-03	ND	2019-01-11												
5080530	CEP	CEP	3816	WILKSBORO ST	Lead	Lead	PEX	Copper	2019-01-02	2019-01-02	No		2019-01-04	14.3	2019-01-11												
5069413	Ops	BLG_01	1723	SUNDEMAN ST	Lead	Lead	PEX	Copper	2019-01-03	2019-04-09	Yes	Emergency	2019-04-10	2.02	2019-04-24												
5081239	CEP	CEP	1102	PEMBERTON ST	Lead	Lead	Copper	Copper	2019-01-03	2019-01-03	No		2019-01-08	ND	2019-01-22												
5024321	A17_07	A17_07	1642	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-03		No		2019-01-10	ND	2019-01-22												
5071041	A16_06	A16_06	301	JACKSONIA ST	Lead	Lead	Copper	Copper	2019-01-03	2019-01-03	No		2019-01-28	2	2019-02-06												
5024351	A17_07	A17_07	1435	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-04		No		2019-01-06	ND	2019-01-11												
5040328	BLG	BLG	6815	THOMAS BLVD	Lead	Lead	PEX	Copper	2019-01-04	2019-01-04	No		2019-01-05	ND	2019-01-11												
5024339	A17_07	A17_07	1434	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-04		No		2019-01-06	ND	2019-01-11												
5058627	A12_02_A	A12_02_A	120	PROSPECT ST	Lead	Lead	PEX	Copper	2019-01-04	2019-01-04	No		2019-01-05	ND	2019-01-11												
5024340	A17_07	A17_07	1432	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-04		No		2019-03-03	ND	2019-03-12												
5024342	A17_07	A17_07	1426	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-05		No		2019-01-07	ND	2019-01-11												
5024344	A17_07	A17_07	1420	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-07		No		2019-01-09	ND	2019-01-22												
5024345	A17_07	A17_07	1417	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-07		No		2019-03-07	ND	2019-03-19												
5042662	Ops		2289	BEECHWOOD BLVD	Lead	Copper	Copper	Not Replaced	2019-01-08		No	Emergency	2019-01-10	7	2019-01-22												
5021901	A17_07	A17_07	1414	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-08		No		2019-03-19	1.72	2019-03-26												
5024350	A17_07	A17_07	1433	DUFFIELD ST	Lead	Copper	PEX	Not Replaced	2019-01-08		No		2019-01-10	ND	2019-01-22												
5070661	A16_06	A16_06	406	JACKSONIA ST	Lead	Copper	Copper	Not Replaced	2019-01-08		No		2019-07-12	ND	2019-07-23												
5002086	Ops		243	LOMBARD ST	Lead	Copper	PEX	Not Replaced	2019-01-09		No	Emergency	2019-01-11	6	2019-01-22												
5070953	A16_06	A16_06	514	JACKSONIA ST	Lead	Lead	Copper	Copper	2019-0																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5010540	Ops	Urgent LSLR	5412	ELMER ST	Lead	Lead	PEX	Copper	2019-03-06	2019-03-07	No	Emergency	2019-03-08	3.31	2019-03-26												
5056430	Ops	Urgent LSLR	442	WINTON ST	Lead	Lead	PEX	Copper	2019-03-12	2019-03-14	No	Emergency	2019-03-15	1.5	2019-03-26												
5074934	B02_01_A	B02_01_A	314	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-18	2019-03-18	No		2019-03-20	69.1	2019-03-26	2019-06-14	ND	2019-06-25									
5074586	B02_01_A	B02_01_A	135	HEMPHILL ST	Lead	Lead	PEX	Copper	2019-03-18	2019-03-18	No		2019-03-20	3.92	2019-03-26												
5075195	B02_01_A	B02_01_A	3700	RUGGLES ST	Lead	Copper	PEX	Not Replaced	2019-03-18		No		2019-03-19	10.6	2019-03-26												
5060830	Ops		409 1/2	SWEETBRIAR ST	Lead	Copper	PEX	Not Replaced	2019-03-19		No	Emergency	2019-05-08	1.66	2019-05-21												
5068180	Ops		16	PROVINCE ST	Lead	Copper	PEX	Not Replaced	2019-03-19		No	Emergency	2019-03-19	20	2019-04-01												
5075071	B02_01_A	B02_01_A	331	DUNLAP ST	Lead	Copper	PEX	Not Replaced	2019-03-19		No		2019-03-20	7.39	2019-04-01												
5074926	B02_01_A	B02_01_A	122	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-19	2019-03-19	No		2019-03-21	2.64	2019-04-01												
5075054	B02_01_A	B02_01_A	116	DUNLAP ST	Lead	Copper	PEX	Not Replaced	2019-03-19		No		2019-03-21	ND	2019-04-01												
5074569	B02_01_A	B02_01_A	44	HEMPHILL ST	Lead	Lead	PEX	Copper	2019-03-19	2019-03-19	No		2019-03-21	ND	2019-04-01												
5074588	B02_01_A	B02_01_A	45	HEMPHILL ST	Lead	Copper	PEX	Not Replaced	2019-03-19		No		2019-03-20	48.7	2019-04-01	2019-07-14	16.7	2019-07-23	2019-10-13	ND	2019-10-21						
5074935	B02_01_A	B02_01_A	331	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-19	2019-03-19	No		2019-03-21	6.84	2019-04-01												
5017270	Ops		4412	WOOLSLAYER WAY	Lead	Copper	PEX	Not Replaced	2019-03-20		No	Emergency	2019-03-21	1.29	2019-04-01												
5074927	B02_01_A	B02_01_A	124	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-20	2019-03-20	No		2019-05-18	ND	2019-05-29												
5074581	B02_01_A	B02_01_A	41	DEFOE ST	Lead	Copper	PEX	Not Replaced	2019-03-20		No		2019-04-15	1.69	2019-04-24												
5074968	B02_01_A	B02_01_A	3720	RUGGLES ST	Lead	Lead	PEX	Copper	2019-03-20	2019-03-20	No		2019-04-02	3.76	2019-04-16												
5075043	B02_01_A	B02_01_A	3700	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-03-20	2019-03-20	No		2019-03-26	3.78	2019-04-01												
5075076	B02_01_A	B02_01_A	129	DUNLAP ST	Lead	Lead	PEX	Copper	2019-03-20	2019-04-10	Yes		2019-03-21	611	2019-04-01	2019-04-11	2.89	2019-04-24									
5024169	B01_07	B01_07	6917	STANDISH ST	Lead	Lead	PEX	Copper	2019-03-20	2019-03-20	No		2019-03-29	ND	2019-04-10												
5075075	B02_01_A	B02_01_A	131	DUNLAP ST	Lead	Lead	PEX	Copper	2019-03-20	2019-03-20	No		2019-03-22	1.08	2019-04-01												
5122851	Urgent Water	Urgent LSLR	2	KLOPPER STREET	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No	Emergency	2019-03-28	ND	2019-04-10												
5074568	B02_01_A	B02_01_A	48	HEMPHILL ST	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No		2019-03-21	4.87	2019-04-01												
5024182	B01_07	B01_07	6924	STANDISH ST	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No		2019-05-13	2.71	2019-05-21												
5024134	B01_07	B01_07	6909	BISHOP ST	Lead	Copper	PEX	Not Replaced	2019-03-21		No		2019-03-22	5.18	2019-04-01												
5075037	B02_01_A	B02_01_A	103	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No		2019-03-25	2.4	2019-04-01												
5074589	B02_01_A	B02_01_A	147	HEMPHILL ST	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No		2019-03-22	47.7	2019-04-01												
5075087	B02_01_A	B02_01_A	25	DUNLAP ST	Lead	Copper	PEX	Not Replaced	2019-03-21		No		2019-04-09	5.69	2019-04-24												
5024180	B01_07	B01_07	6928	STANDISH ST	Lead	Lead	PEX	Copper	2019-03-21	2019-03-21	No		2019-05-10	3.99	2019-05-21												
5074922	B02_01_A	B02_01_A	114	RICHEY AVE	Lead	Lead	PEX	Copper	2019-03-22	2019-03-22	No		2019-06-14	4.28	2019-07-01												
5075066	B02_01_A	B02_01_A	322	DUNLAP ST	Lead	Copper	PEX	Not Replaced	2019-03-22		No		2019-03-27	1.77	2019-04-10												
5024198	B01_07	B01_07	6931	BISHOP ST	Lead	Lead	PEX	Copper	2019-03-22	2019-03-22	No		2019-04-02	1.03	2019-04-10												
5045521	Ops	Urgent LSLR	4123	WINTERBURN AVE	Lead	Lead	PEX	Copper	2019-03-22	2019-04-04	No	Emergency	2019-04-07	4.16	2019-04-16												
5075034	B02_01_A	B02_01_A	117	RICHEY AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-03-25	2019-03-25	No		2019-03-27	6	2019-04-01												
5074587	B02_01_A	B02_01_A	39	HEMPHILL ST	Lead	Copper	PEX	Not Replaced	2019-03-25		No		2019-04-03	2.78	2019-04-16												
5024183	B01_07	B01_07	6922	STANDISH ST	Lead	Lead	PEX	Copper	2019-03-25	2019-03-25	No		2019-03-27	3.32	2019-04-10												
5024171	B01_07	B01_07	6923	STANDISH ST	Lead	Lead	PEX	Copper	2019-03-25	2019-03-25	No		2019-03-28	18.4	2019-04-10	2019-07-17	30.9	2019-07-29	2019-09-26	9.97	2019-10-08						
507999																											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5024104	B01_07	B01_07	6927	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-04	2019-04-04	No		2019-04-09	1.94	2019-04-16												
5075174	B02_01_A	B02_01_A	422	VENTURE ST	Lead	Lead	PEX	Copper	2019-04-04	2019-04-04	No		2019-04-04	16.1	2019-04-16												
5024125	B01_07	B01_07	6920 1/2	BISHOP ST	Lead	Lead	PEX	Copper	2019-04-05	2019-04-05	No		2019-04-08	21.1	2019-04-16												
5024109	B01_07	B01_07	6915	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-05	2019-04-05	No		2019-04-07	6.98	2019-04-16												
5024126	B01_07	B01_07	6922	BISHOP ST	Lead	Lead	PEX	Copper	2019-04-05	2019-04-05	No		2019-04-08	14.5	2019-04-16												
5024110	B01_07	B01_07	6913	GREENWOOD ST	Lead	Copper	PEX	Not Replaced	2019-04-05		No		2019-04-09	ND	2019-04-16												
5074915	B02_01_A	B02_01_A	3722	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-04-05		No		2019-04-06	19.2	2019-04-16	2019-04-09	5.63	2019-04-24									
5074612	B02_01_A	B02_01_A	26	SEMICIR ST	Lead	Lead	PEX	Copper	2019-04-05	2019-04-05	No		2019-04-08	3.53	2019-04-24												
5065452	Ops		931	BEECH AVE	Lead	Copper	PEX	Not Replaced	2019-04-08		No	Emergency	2019-04-10	7.44	2019-04-30												
5024107	B01_07	B01_07	6919	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-08	2019-04-08	No		2019-04-10	ND	2019-04-24												
5024163	B01_07	B01_07	6905	STANDISH ST	Lead	Lead	PEX	Copper	2019-04-08	2019-04-08	No		2019-04-10	13.2	2019-04-24												
5057095	B06_03_A	B06_03_A	217	WALTER ST	Lead	Lead	PEX	Copper	2019-04-09	2019-04-09	No		2019-05-25	4.35	2019-06-25												
5024099	B01_07	B01_07	6942	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-09	2019-04-09	No		2019-05-14	10.5	2019-05-21												
5024139	B01_07	B01_07	6921	MANISTEE ST	Lead	Copper	PEX	Not Replaced	2019-04-09		No		2019-04-11	3.53	2019-04-24												
5057079	B06_03_A	B06_03_A	118	WALTER ST	Lead	Lead	PEX	Copper	2019-04-09	2019-04-09	No		2019-04-23	2.34	2019-04-30												
5057060	B06_03_A	B06_03_A	314	WALTER ST	Lead	Copper	PEX	Not Replaced	2019-04-09		No		2019-04-10	ND	2019-04-24												
5024261	B01_07	B01_07	1625	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-04-10		No		2019-04-20	3.29	2019-04-30												
5057082	B06_03_A	B06_03_A	127	WALTER ST	Lead	Copper	PEX	Not Replaced	2019-04-10		No		2019-06-04	ND	2019-06-25												
5024106	B01_07	B01_07	6923	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-10	2019-04-10	No		2019-04-15	6.66	2019-04-24												
5024132	B01_07	B01_07	6913	BISHOP ST	Lead	Lead	PEX	Copper	2019-04-10	2019-04-10	No		2019-04-12	3.6	2019-04-24												
5024197	B01_07	B01_07	6929	BISHOP ST	Lead	Copper	PEX	Not Replaced	2019-04-11		No		2019-04-17	1.79	2019-04-24												
5024263	B01_07	B01_07	1631	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-04-11		No		2019-04-12	48.3	2019-04-24	2019-09-14	9.49	2019-09-24									
5024141	B01_07	B01_07	1945	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-11	2019-04-11	No		2019-04-12	7.54	2019-04-24												
5023707	B01_07	B01_07	6917	MANISTEE ST	Lead	Copper	PEX	Not Replaced	2019-04-11		No		2019-06-24	4.19	2019-07-08												
5024108	B01_07	B01_07	6917	GREENWOOD ST	Lead	Lead	PEX	Copper	2019-04-11	2019-04-11	No		2019-04-14	1.96	2019-04-24												
5024386	B01_07	B01_07	1662	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-04-11		No		2019-04-12	5.07	2019-04-24												
5024133	B01_07	B01_07	6911	BISHOP ST	Lead	Lead	PEX	Copper	2019-04-11	2019-04-11	No		2019-04-16	9.56	2019-04-24												
5024241	B01_07	B01_07	1950	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-11	2019-04-11	No		2019-05-24	1.2	2019-06-25												
5024242	B01_07	B01_07	1950 1/2	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-12	2019-04-12	No		2019-04-14	4.45	2019-04-30												
5074618	B02_01_A	B02_01_A	65	SEMICIR ST	Lead	Lead	PEX	Copper	2019-04-12	2019-04-12	No		2019-06-09	2.03	2019-06-25												
5024145	B01_07	B01_07	1929	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-12	2019-04-12	No		2019-09-15	4.72	2019-09-24												
5023723	B01_07	B01_07	7220	WITHERSPOON ST	Lead	Lead	PEX	Copper	2019-04-12	2019-04-12	No		2019-04-13	1570	2019-04-24	2019-07-25	ND	2019-08-05									
5074582	B02_01_A	B02_01_A	45	DEFOE ST	Lead	Lead	PEX	Copper	2019-04-13	2019-04-13	No		2019-08-20	16.3	2019-09-03												
5074884	B02_01_A	B02_01_A	3773	EAST ST	Lead	Copper	PEX	Not Replaced	2019-04-15		No		2019-04-17	31.2	2019-04-30	2019-07-12	16.8	2019-07-23	2019-09-28	ND	2019-11-04						
5024240	B01_07	B01_07	1952	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-15	2019-04-15	No		2019-04-27	9.78	2019-05-15												
5024142	B01_07	B01_07	1939	ANTIETAM ST	Lead	Lead	PEX	Copper	2019-04-15	2019-04-15	No		2019-04-25	1.15	2019-04-30												
5074660	B02_01_A	B02_01_A	66	RIVERVIEW AVE	Lead	Copper	PEX	Not Replaced	2019-04-15		No		2019-04-16	9.4	2019-04-30												
5074866	B02_01_A	B02_01_A	3748	EAST ST																							

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5050150	Ops	Urgent LSLR	4224	SALINE ST	Lead	Lead	PEX	Copper	2019-04-24	2019-05-03	No	Emergency	2019-04-26	ND	2019-05-07												
5050151	Ops	Urgent LSLR	4226	SALINE ST	Lead	Lead	PEX	Copper	2019-04-24	2019-05-03	No	Emergency	2019-05-05	7.45	2019-05-15	2019-06-19	2.64	2019-07-08									
5023716	B01_07		1938	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-04-25	10.9	2019-04-30												
5057501	B06_03_A	B06_03_A	852	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-04-25	1.74	2019-05-07												
5022216	B01_07	B01_07	1125	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-04-25	2.89	2019-04-30												
5074614	B02_01_A	B02_01_A	83	SEMICIR ST	Lead	Copper	PEX	Not Replaced	2019-04-24		No		2019-08-27	6.11	2019-09-09												
5021994	B01_07	B01_07	1401	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-04-26	1.79	2019-05-07												
5057471	B06_03_A	B06_03_A	726	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-05-01	7.2	2019-05-07												
5022215	B01_07	B01_07	1127	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-24	2019-04-24	No		2019-05-20	1.82	2019-05-29												
5022211	B01_07	B01_07	1139	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-04-29	4.83	2019-05-07												
5022207	B01_07	B01_07	1149	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-04-26	1.25	2019-05-15												
5024177	B01_07	B01_07	7238	STANDISH ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-06-17	1.83	2019-07-08												
5057480	B06_03_A	B06_03_A	748	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-04-28	13.2	2019-05-07												
5057488	B06_03_A	B06_03_A	814	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-04-29	3	2019-05-07												
5022020	B01_07	B01_07	1234	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-06-14	3.31	2019-06-25												
5021987	B01_07	B01_07	1231	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-25	2019-04-25	No		2019-04-27	7.03	2019-05-07												
5050857	Urgent Water		142	S 23RD ST	Lead	Lead	PEX	Not Replaced	2019-04-26		Yes	Emergency	2019-05-10	ND	2019-05-29												
5022231	B01_07	B01_07	1152	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-26	2019-04-26	No		2019-05-01	3.41	2019-05-07												
5023715	B01_07	B01_07	1936	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-26	2019-04-26	No		2019-04-26	241	2019-05-07	2019-07-10	2.8	2019-07-29									
5041093	Urgent LSLR	Urgent LSLR	401	HASTINGS ST	Lead	Lead	PEX	Copper	2019-04-27	2019-04-27	No	Emergency	2019-04-29	2.85	2019-05-07												
5021986	B01_07	B01_07	1229	JANCEY ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-04-29	2019-04-29	No		2019-04-30	3.44	2019-05-15												
5048164	Ops	Urgent LSLR	5023	GLENWOOD AVE	Lead	Lead	PEX	Copper	2019-04-29	2019-05-11	No	Emergency	2019-05-14	163	2019-07-01	2019-06-20	2.85	2019-07-08	2019-08-20	138	2019-09-03	2019-11-17	26.2	2019-11-26	2021-02-23	2.8	2021-03-03
5022219	B01_07	B01_07	1119	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-04-30	23.3	2019-05-07	2019-07-31	81	2019-08-12									
5057034	B06_03_A	B06_03_A	311	MILLBRIDGE ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-04-29	7.04	2019-05-07												
5022021	B01_07	B01_07	1232	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-04-30	2.43	2019-05-07												
5022224	B01_07	B01_07	1105	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-05-06	ND	2019-05-15												
5035233	Ops		1149	SHADY AVE	Lead	Copper	PEX	Not Replaced	2019-04-29		No	Emergency	2019-05-03	5.63	2019-05-15												
5029856	B04_09_A	B04_09_A	6624	ROWAN ST	Lead	Copper	PEX	Not Replaced	2019-04-29		No		2019-04-30	39.9	2019-05-07												
5023713	B01_07	B01_07	1932	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-06-25	24.4	2019-07-08												
5074585	B02_01_A	B02_01_A	57	DEFOE ST	Lead	Copper	PEX	Not Replaced	2019-04-29		No		2019-05-06	ND	2019-05-15												
5057494	B06_03_A	B06_03_A	836	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-06-19	ND	2019-07-15												
5022023	B01_07	B01_07	1228	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-29	2019-04-29	No		2019-04-29	2.89	2019-05-07	2019-06-25	ND	2019-07-08									
5057168	B06_03_A	B06_03_A	818	INDUSTRY ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-04-30	2019-04-30	No		2019-05-01	ND	2019-05-07												
5074604	B02_01_A	B02_01_A	3737	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-05-04	1.34	2019-05-15												
5024157	B01_07	B01_07	6910	MANISTEE ST	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-06-18	ND	2019-07-08												
5022232	B01_07	B01_07	1156	CHISLETT ST	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-05-02	9.84	2019-05-15												
5021982	B01_07	B01_07	1217	JANCEY ST	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-05-01	1.53	2019-05-15												
5057288	B06_03_A	B06_03_A	861	LILLIAN ST	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-05-28	4.5	2019-06-04												
5029903	B04_09_A	B04_09_A	6633	ROWAN ST	Lead	Lead	PEX	Copper	2019-04-30	2019-04-30	No		2019-05-04	1.07	2019-06-04												
5054313	Ops	Urgent LSLR	1709	SARAH ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-08	Yes	Emergency	2020-04-03	ND	2020-04-13												
5074790	B02_01_A	B02_01_A	3740	BAYTREE ST	Lead	Copper	PEX	Not Replaced	2019-05-01		No		2019-06-18	4.04	2019-07-08												
5022214	B01_07	B01_07	1131	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-06-24	1.37	2019-07-15												
5022199	B01_07	B01_07	1167	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-05-02	30	2019-05-15												
5023712	B01_07	B01_07	1930	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-09-09	1.47	2019-09-24												
5057029	B06_03_A	B06_03_A	405	MILLBRIDGE ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-06-17	27.9	2019-07-08	2019-08-23	6.19	2019-09-03									
5040586	Ops		338	HASTINGS ST	Lead	Copper	PEX	Not Replaced	2019-05-01		No	Emergency	2019-05-04	2.81	2019-05-21												
5019406	CEP	CEP	5313	KINCAID ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-05-02	7.78	2019-05-15												
5029308	B04_09_A	B04_09_A	6602	ROWAN ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-06-24	1.68	2019-07-08												
5022210	B01_07	B01_07	1141	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-05-04	8.58	2019-05-15												
5021984	B01_07	B01_07	1223	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-01		No		2019-05-07	8.16	2019-05-15												
5022024	B01_07	B01_07	1226	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-06-26	4.12	2019-07-08												
5022212	B01_07	B01_07	1137	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-01	2019-05-01	No		2019-05-03	ND	2019-05-15												
5057201	B06_03_A	B06_03_A	853	LOYAL WAY	Lead	Lead	PEX	Copper	2019-05-02	2019-05-02	No		2019-05-18	2.02	2019-06-11												
5021993	B01_07	B01_07	1263	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-02	2019-05-02	No		2019-05-03	1.36	2019-05-15												
5007964	Ops		3352	SPRING WAY	Lead	Copper	PEX	Not Replaced	2019-05-02		No	Emergency	2019-05-07	1.53	2019-05-15												
5021985	B01_07	B01_07	1225	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-02	2019-05-02	No		2019-05-07	2.01	2019-05-21												
5075197	B02_01_A	B02_01_A	428	DUNLAP ST	Lead	Lead	PEX	Copper	2019-05-02	2019-05-02	No		2019-06-06	2.03	2019-06-25												
5022202	B01_07	B01_07	1161	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-02	2019-05-02	No		2019-05-03	1.07	2019-05-15												
5057138	B06_03_A	B06_03_A	815	INDUSTRY ST	Lead	Copper	PEX	Not Replaced	2019-05-02		No		2019-05-09	3.4	2019-05-21												
5022028	B01_07	B01_07	1208	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-02		No		2019-05-03	ND	2019-05-15												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5056953	B06_03_A	B06_03_A	976	MANTON WAY	Lead	Copper	PEX	Not Replaced	2019-05-09		No		2019-08-15	1.62	2019-08-26												
5023594	B01_07	B01_07	1907	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-10	6.37	2019-05-21												
5029876	B04_09_A	B04_09_A	6724	DEARY ST	Lead	Copper	PEX	Not Replaced	2019-05-09		No		2019-05-23	1.26	2019-06-04												
5075103	B02_01_A	B02_01_A	3616	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-12	1.01	2019-05-21												
5074761	B02_01_A	B02_01_A	3857	EVERGREEN RD	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-29	3.7	2019-06-11												
5022235	B01_07	B01_07	1170	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-10	6.51	2019-05-21												
5074898	B02_01_A	B02_01_A	3800	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-11	334	2019-05-21												
5022190	B01_07	B01_07	1154	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-05-15	12.1	2019-05-29												
5022043	B01_07	B01_07	1213	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-09	2019-05-09	No		2019-06-07	ND	2019-06-25												
5074770	B02_01_A	B02_01_A	3939	EVERGREEN RD	Lead	Copper	PEX	Not Replaced	2019-05-09		No		2019-06-27	1.17	2019-07-08												
5057328	B06_03_A	B06_03_A	914	FREELAND ST	Lead	Lead	PEX	Copper	2019-05-10	2019-05-10	No		2019-05-11	ND	2019-05-21												
5056933	B06_03_A	B06_03_A	963	MANTON WAY	Lead	Lead	PEX	Copper	2019-05-10	2019-05-10	No		2019-05-27	ND	2019-06-04												
5075108	B02_01_A	B02_01_A	3606	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-10	2019-05-10	No		2019-05-12	9.72	2019-06-25												
5074659	B02_01_A	B02_01_A	48	RIVERVIEW AVE	Lead	Copper	PEX	Not Replaced	2019-05-10		No		2019-05-12	10.8	2019-05-29												
5057329	B06_03_A	B06_03_A	916	FREELAND ST	Lead	Copper	PEX	Not Replaced	2019-05-10		No		2019-05-12	ND	2019-05-21												
5074893	B02_01_A	B02_01_A	3816	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-05-10		No		2019-06-28	ND	2019-07-15												
5022158	B01_07	B01_07	1139	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-13		No		2019-05-20	1.39	2019-05-29												
5022153	B01_07	B01_07	1161	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-13		No		2019-05-15	2.44	2019-05-29												
5024043	B01_07	B01_07	1827	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-13	2019-05-13	No		2019-09-01	4.88	2019-09-16												
5056938	B06_03_A	B06_03_A	947	MANTON WAY	Lead	Copper	PEX	Not Replaced	2019-05-13		No		2019-05-16	ND	2019-05-29												
5022184	B01_07	B01_07	1134	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-13		No		2019-06-27	ND	2019-07-08												
5022042	B01_07	B01_07	1211	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-13	2019-05-13	No		2019-05-16	1.96	2019-05-29												
5075102	B02_01_A	B02_01_A	3622	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-13	2019-05-13	No		2019-10-03	ND	2019-10-15												
5056830	B06_03_A	B06_03_A	913	MANTON WAY	Lead	Copper	PEX	Not Replaced	2019-05-13		No		2019-05-18	ND	2019-06-11												
5022070	B01_07	B01_07	1200	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-13	2019-05-14	No		2019-05-16	5.94	2019-06-11												
5022150	B01_07	B01_07	1169	JANCEY ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-05-14	2019-05-14	No		2019-05-15	5.25	2019-05-21												
5057313	B06_03_A	B06_03_A	911	FREELAND ST	Lead	Lead	PEX	Copper	2019-05-14	2019-05-14	No		2019-07-05	ND	2019-07-29												
5029996	B04_09_A	B04_09_A	1411	N MURLAND ST	Lead	Lead	PEX	Copper	2019-05-14	2019-05-14	No		2019-06-07	14.9	2019-07-29												
5029351	B04_09_A	B04_09_A	6601	DEARY ST	Lead	Copper	PEX	Not Replaced	2019-05-14		No		2019-05-15	1.79	2019-05-29												
5057336	B06_03_A	B06_03_A	928	FREELAND ST	Lead	Copper	PEX	Not Replaced	2019-05-14		No		2019-05-16	2.56	2019-07-10												
5024044	B01_07	B01_07	1825	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-14	2019-05-14	No		2019-07-08	1.7	2019-08-05												
5004751	CEP	CEP	3216	JULIET ST	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-05-16	4.75	2019-05-29												
5057304	B06_03_A	B06_03_A	312	KNOX AVE	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-05-16	3.71	2019-05-29												
5022045	B01_07	B01_07	1217	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-05-17	ND	2019-05-29												
5057293	B06_03_A	B06_03_A	404	KNOX AVE	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-08-19	ND	2019-08-26												
5022239	B01_07	B01_07	1176	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-05-15	1.06	2019-05-29												
5074834	B02_01_A	B02_01_A	3759	BAYTREE ST	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-07-11	1.95	2019-07-23												
5022181	B01_07	B01_07	1126	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-15	2019-05-15	No		2019-06-15	ND	2019-07-01				</								

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5024427	B01_07	B01_07	1621	CHISLETT ST	Lead	Copper	PEX	Not Replaced	2019-05-22		No			2019-07-10	1.81	2019-07-23											
5074602	B02_01_A	B02_01_A	3803	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-22	2019-05-22	No		2019-05-25	34.5	2019-06-04	2019-09-11	5.67	2019-09-24									
5029844	B04_09_A	B04_09_A	6603	LYRIC ST	Lead	Copper	PEX	Not Replaced	2019-05-22		No		2019-05-24	15	2019-06-04												
5022294	B01_07	B01_07	926	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-22	2019-05-22	No		2019-05-23	1.28	2019-06-11												
5029962	B04_09_A	B04_09_A	904	LAXTON ST	Lead	Lead	PEX	Copper	2019-05-22	2019-05-22	No		2019-05-23	6.04	2019-06-25												
5056588	B06_03_A	B06_03_A	44	MILLBRIDGE ST	Lead	Lead	PEX	Copper	2019-05-22	2019-05-22	No		2019-06-21	9.74	2019-07-08												
5075625	B02_01_A	B02_01_A	4037	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-05-22		No		2019-05-23	1.14	2019-06-04	2019-05-24	12.3	2019-06-04									
5057421	B06_03_A	B06_03_A	982	INDUSTRY ST	Lead	Lead	PEX	Copper	2019-05-22	2019-05-22	No		2019-05-28	ND	2019-06-04												
5056779	B06_03_A	B06_03_A	832	EXCELSIOR ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-25	1.83	2019-06-04												
5024459	B01_07	B01_07	1620-1622	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-06-07	1.44	2019-06-25												
5056778	B06_03_A	B06_03_A	834	EXCELSIOR ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-24	12.4	2019-06-04												
5024460	B01_07	B01_07	1618	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-26	5.63	2019-06-25												
5057441	B06_03_A	B06_03_A	965	INDUSTRY ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-23	156	2019-06-04	2019-08-17	1.14	2019-09-03									
5022295	B01_07	B01_07	922	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-06-02	10.3	2019-06-25												
5067780	CEP	CEP	1209	SEIDLE ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-27	1.05	2019-06-04												
5022271	B01_07	B01_07	1019	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-23	2019-05-23	No		2019-05-24	1.83	2019-06-04												
5024011	B01_07	B01_07	1710 1/2	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-05-23		No		2019-08-09	11.3	2019-08-18												
5056685	B06_03_A	B06_03_A	724	EXCELSIOR ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-05-23	2019-05-23	No		2019-07-18	ND	2019-07-29												
5079195	CEP	CEP	945	GRAND AVE	Lead	Copper	PEX	Not Replaced	2019-05-24		No		2019-05-25	8.6	2019-06-04												
5024452	B01_07	B01_07	1650	CHISLETT ST	Lead	Copper	PEX	Not Replaced	2019-05-24		No		2019-10-28	2.4	2019-11-18												
5030326	B04_09_A	B04_09_A	846	INWOOD ST	Lead	Lead	PEX	Copper	2019-05-24	2019-05-24	No		2019-05-28	1.86	2019-06-04												
5074495	B02_01_A	B02_01_A	3955	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-24	2019-05-24	No		2019-05-27	1.73	2019-06-04												
5074497	B02_01_A	B02_01_A	3959	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-05-24		No		2019-07-16	ND	2019-07-23												
5056616	B06_03_A	B06_03_A	711	EXCELSIOR ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-05-31	1.99	2019-06-25												
5024457	B01_07	B01_07	1628-1630	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-06-05	ND	2019-06-25												
5024431	B01_07	B01_07	1635	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-05-29	59.7	2019-06-25	2019-07-24	4.74	2019-08-05									
5022286	B01_07	B01_07	1004	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-06-21	ND	2019-07-08												
5024017	B01_07	B01_07	1712	JANCEY ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2020-03-15	1.26	2020-03-25												
5074533	B02_01_A	B02_01_A	3874	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-05-30	ND	2019-06-25												
5029357	B04_09_A	B04_09_A	6616	APPLE AVE	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-07-19	3.93	2019-08-26												
5030336	B04_09_A	B04_09_A	885	INWOOD ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-05-29	ND	2019-06-25												
5024419	B01_07	B01_07	1449	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-08-04	ND	2019-08-12												
5024424	B01_07	B01_07	1613	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-28	2019-05-28	No		2019-05-31	1.15	2019-06-25												
5039767	Ops		6458	LILAC ST	Lead	Copper	PEX	Not Replaced	2019-05-29		No	Emergency	2019-07-29	ND	2019-08-05												
5030571	B04_09_A	B04_09_A	828	INWOOD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-05-29	2019-05-29	No		2019-07-26	ND	2019-08-18												
5024464	B01_07	B01_07	1610	CHISLETT ST	Lead	Lead	PEX	Copper	2019-05-29	2019-05-29	No		2019-05-30	8.67	2019-06-11												
5056690	B06_03_A	B06_03_A	740	EXCELSIOR ST	Lead	Lead	PEX	Copper	2019-05-29	2019-05-29	No		2019-06-01	ND	2019-06-25												
507275																											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5071462	B08_06_A	B08_06_A	2011	MOUNTFORD AVE	Lead	Lead	PEX	Copper	2019-06-07	2019-06-07	No		2019-06-10	16.1	2019-06-25												
5071359	B08_06_A	B08_06_A	1924	LITHGOW AVE	Lead	Lead	PEX	Copper	2019-06-08	2019-06-08	No		2019-08-06	ND	2019-08-12												
5072669	B08_06_A	B08_06_A	218	LAFAYETTE AVE	Lead	Lead	PEX	Copper	2019-06-08	2019-06-08	No		2019-06-09	11.8	2019-06-25												
5025504	B01_07	B01_07	5301	STANTON AVE	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-06-13	1.1	2019-07-01												
5022301	B01_07	B01_07	901	CHISLETT ST	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-07-01	8.59	2019-07-23												
5030694	B04_09_A	B04_09_A	6909	KELLY ST	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-06-15	1.96	2019-07-01												
5030695	B04_09_A	B04_09_A	6911	KELLY ST	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-08-06	ND	2019-08-12												
5047854	CEP		5027	BLAIR ST	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-08-07	ND	2019-08-18												
5024052	B01_07	B01_07	1739	CHISLETT ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-10	2019-06-10	No		2019-06-16	ND	2019-07-08												
5055837	B06_03_A	B06_03_A	827	EUREKA ST	Lead	Lead	PEX	Copper	2019-06-10	2019-06-10	No		2019-08-03	18.9	2019-08-12	2019-09-07	6.2	2019-09-24									
5023955	B01_07	B01_07	1817	JANCEY ST	Lead	Copper	PEX	Not Replaced	2019-06-10		No		2019-06-12	33.2	2019-07-01												
5024793	Ops		1338	CORDOVA RD	Lead	Copper	PEX	Not Replaced	2019-06-11		No	Emergency	2019-06-11	ND	2019-07-15												
5025505	B01_07	B01_07	5303	STANTON AVE	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-12	2.67	2019-06-25												
5071539	B08_06_A	B08_06_A	316	MARSONIA ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-16	1.21	2019-07-08												
5072775	B08_06_A	B08_06_A	2026	OSGOOD ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-13	1.64	2019-07-01												
5024058	B01_07	B01_07	1725	CHISLETT ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-18	17.6	2019-07-08												
5023573	B01_07	B01_07	1845	JANCEY ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-12	19.9	2019-06-25	2019-09-16	1.19	2019-09-24									
5057372	B06_03_A	B06_03_A	1401	ARLINGTON AVE	Lead	Copper	PEX	Not Replaced	2019-06-11		No		2019-09-05	1.13	2019-09-24												
5071178	B08_06_A	B08_06_A	2024	OSGOOD ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-09-14	21.9	2019-09-24	2019-11-01	5.2	2019-11-11									
5030761	B04_09_A	B04_09_A	6927	KELLY ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-13	2.13	2019-06-25												
5057389	B06_03_A	B06_03_A	935	CLIMAX ST	Lead	Copper	PEX	Not Replaced	2019-06-11		No		2019-09-14	ND	2019-09-24												
5022318	B01_07	B01_07	1029	CHISLETT ST	Lead	Lead	PEX	Copper	2019-06-11	2019-06-11	No		2019-06-11	ND	2019-06-25												
5030630	B04_09_A	B04_09_A	6965	FRANKSTOWN AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-12	2019-06-12	No		2019-06-13	4.86	2019-07-01												
5049886	CEP	CEP	754	LORETTA ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-13	2.75	2019-06-25												
5055806	B06_03_A	B06_03_A	723	EUREKA ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-07-25	1.4	2019-08-05												
5071177	B08_06_A	B08_06_A	2035	BIGGS AVE	Lead	Copper	PEX	Not Replaced	2019-06-12		No		2019-07-07	2.24	2019-07-23												
5025501	B01_07	B01_07	820	JANCEY ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-13	1.23	2019-06-25												
5056648	B06_03_A	B06_03_A	722	EUREKA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-12	2019-06-12	No		2019-07-05	ND	2019-07-23												
5030783	B04_09_A	B04_09_A	6934	KELLY ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-15	14.5	2019-07-01												
5057388	B06_03_A	B06_03_A	931	CLIMAX ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-14	5.59	2019-07-08												
5057387	B06_03_A	B06_03_A	939	CLIMAX ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-16	1.2	2019-07-08												
5071491	B08_06_A	B08_06_A	2010	MOUNTFORD AVE	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-13	1.18	2019-07-01												
5071533	B08_06_A	B08_06_A	2022	OSGOOD ST	Lead	Lead	PEX	Copper	2019-06-12	2019-06-12	No		2019-06-12	2.93	2019-07-01												
5022319	B01_07	B01_07	1035	CHISLETT ST	Lead	Copper	PEX	Not Replaced	2019-06-13		No		2019-06-15	3.75	2019-07-01												
5072676	B08_06_A	B08_06_A	246	LAFAYETTE AVE	Lead	Lead	PEX	Copper	2019-06-13	2019-06-13	No		2019-06-15	ND	2019-07-01												
5056646	B06_03_A	B06_03_A	716	EUREKA ST	Lead	Lead	PEX	Copper	2019-06-13	2019-06-13	No		2019-06-16	ND	2019-07-01												
5056647	B06_03_A	B06_03_A	720	EUREKA ST	Lead	Lead	PEX	Copper	2019-06-13	2019-06-13	No		2019-06-16	1.81	2019-07-01												
5055861	B06_03_A																										

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5056585	B06_03_A	B06_03_A	621	EXCELSIOR ST	Lead	Lead	PEX	Copper	2019-06-24	2019-06-24	No		2019-07-01	34.2	2019-07-15												
5024047	B01_07	B01_07	1809	CHISLETT ST	Lead	Lead	PEX	Copper	2019-06-25	2019-06-25	No		2019-06-26	1.37	2019-07-15												
5055893	B06_03_A	B06_03_A	12	RENWICK ST	Lead	Copper	PEX	Not Replaced	2019-06-25		No		2019-06-27	ND	2019-07-08												
5032669	B04_09_B	B04_09_B	7154	KEDRON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-25	2019-06-25	No		2019-08-16	ND	2019-08-26												
5072396	B08_06_B	B08_06_B	412	BARK ST	Lead	Copper	PEX	Not Replaced	2019-06-25		No		2020-03-28	5.1	2020-04-06												
5055898	B06_03_A	B06_03_A	4	RENWICK ST	Lead	Copper	PEX	Not Replaced	2019-06-25		No		2019-07-12	ND	2019-07-23												
5032649	B04_09_B	B04_09_B	7111	KEDRON ST	Lead	Lead	PEX	Copper	2019-06-26	2019-06-26	No		2019-06-26	ND	2019-07-15												
5072363	B08_06_B	B08_06_B	2410	OSGOOD ST	Lead	Lead	PEX	Copper	2019-06-26	2019-06-26	No		2019-06-28	1.89	2019-07-15												
5055608	B06_03_A	B06_03_A	618	WINDOW ST	Lead	PEX	PEX	Not Replaced	2019-06-26		No		2019-06-28	ND	2019-07-15												
5032531	B04_09_B	B04_09_B	7029	MOUNT VERNON ST	Lead	Lead	PEX	Copper	2019-06-26	2019-06-26	No		2019-06-27	22.8	2019-07-15	2019-09-26	8.83	2019-10-21									
5032564	B04_09_B	B04_09_B	7035	MOUNT VERNON ST	Lead	Lead	PEX	Copper	2019-06-26	2019-06-26	No		2019-06-27	28	2019-07-15												
5072662	B08_06_B	B08_06_B	2213	FEDERAL STREET EXT	Lead	Copper	PEX	Not Replaced	2019-06-26		No		2019-08-18	ND	2019-08-26												
5072692	B08_06_B	B08_06_B	216	SEABRIGHT ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-07-01	ND	2019-07-15												
5032616	B04_09_B	B04_09_B	7042	MOUNT VERNON ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-06-28	2.3	2019-07-15												
5032660	B04_09_B	B04_09_B	7133	KEDRON ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-06-28	13.6	2019-07-23												
5055841	B06_03_A	B06_03_A	842	MCLAIN ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-27	2019-06-27	No		2020-02-06	1.18	2020-02-17												
5032647	B04_09_B	B04_09_B	7107	KEDRON ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-06-29	15.5	2019-07-15												
5072361	B08_06_B	B08_06_B	2409	OSGOOD ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-08-06	2.58	2019-08-12												
5025784	CEP	CEP	901	MELLON ST	Lead	Lead	Copper	Copper	2019-06-27	2019-06-27	No		2019-09-07	ND	2019-09-24												
5080906	CEP	CEP	3712	PARVISS ST	Lead	Lead	PEX	Copper	2019-06-27	2019-06-27	No		2019-06-28	8.04	2019-07-15												
5022193	B01_07	B01_07	1166-1168	JANCEY ST	Lead	Lead	PEX	Copper	2019-06-28	2019-06-28	No		2019-06-29	4.66	2019-07-15	2019-06-29	8.87	2019-07-15									
5032691	B04_09_B	B04_09_B	7028	KEDRON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-06-28	2019-06-28	No		2019-06-29	20.4	2019-07-15	2019-09-19	2.62	2019-09-30									
5072690	B08_06_B	B08_06_B	2216	FEDERAL EXT	Lead	Lead	PEX	Copper	2019-06-28	2019-06-28	No		2019-08-20	1.49	2019-08-26												
5030624	B04_09_A	B04_09_A	6953	FRANKSTOWN AVE	Lead	Copper	PEX	Not Replaced	2019-06-28		No		2019-08-24	ND	2019-09-16												
5032637	B04_09_B	B04_09_B	7027	KEDRON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-01	2019-07-01	No		2019-07-02	4.76	2019-07-15												
5055832	B06_03_A	B06_03_A	826	MCLAIN ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-01	2019-07-01	No		2019-07-09	52.7	2019-07-15	2019-11-15	3.38	2019-11-26									
5032682	B04_09_B	B04_09_B	7050	KEDRON ST	Lead	Lead	PEX	Copper	2019-07-01	2019-07-01	No		2019-07-01	19.9	2019-07-29												
5071475	B08_06_A	B08_06_A	13	BELLEAU ST	Lead	Lead	PEX	Copper	2019-07-01	2019-07-01	No		2019-08-28	ND	2019-09-09												
5030359	B04_09_A	B04_09_A	1009	GERRITT ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-02	2019-07-02	No		2019-12-31	2.7	2020-01-08												
5072658	B08_06_B	B08_06_B	2243	FEDERAL EXT	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-02	2019-07-02	No		2019-07-03	8.99	2019-07-15												
5032646	B04_09_B	B04_09_B	7105	KEDRON ST	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-07-02	1.28	2019-07-15												
5056656	B06_03_A	B06_03_A	735	CERES WAY	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-07-03	3.1	2019-07-15												
5072317	B08_06_B	B08_06_B	2336	MAPLE AVE	Lead	Copper	PEX	Not Replaced	2019-07-02		No		2019-07-03	43.4	2019-07-15												
5072316	B08_06_B	B08_06_B	2334	MAPLE AVE	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-08-05	ND	2019-08-12												
5032968	B04_09_B	B04_09_B	7221	KEDRON ST	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-07-06	ND	2019-07-23												
5032938	B04_09_B	B04_09_B	7328	MOUNT VERNON ST	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-07-23	ND	2019-07-29												
5033046	B04_09_B	B04_09_B	1032	N LANG AVE	Lead	Lead	PEX	Copper	2019-07-02	2019-07-02	No		2019-07-03	ND	2019-07-15												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrfom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrfom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrfom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrfom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrfom Lab5
5032702	B04 09 B	B04 09 B	7045	HERMITAGE ST	Lead	Lead	PEX	Copper	2019-07-16	2019-07-16	No		2019-07-24	2.81	2019-08-05												
5057340	B06 03 A	B06 03 A	1507	ARLINGTON AVE	Lead	Copper	PEX	Not Replaced	2019-07-16		No		2019-07-29	ND	2019-08-05												
5042642	B07 05 A	B07 05 A	6353	WALDRON ST	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-08-04	ND	2019-08-18												
5057193	B06 03 A	B06 03 A	1320	ARLINGTON AVE	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-07-18	1.18	2019-07-29												
5071973	B08 06 B	B08 06 B	2527	MAPLE AVE	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-07-22	24.2	2019-08-05												
5072341	B08 06 B	B08 06 B	2449	HAZELTON ST	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-08-12	ND	2019-08-26												
5048976	CEP	CEP	66	CUST ST	Lead	Copper	PEX	Not Replaced	2019-07-17		No		2019-07-18	3.81	2019-07-29												
5038488	B07 05 A	B07 05 A	6321	CROMBIE ST	Lead	Copper	PEX	Not Replaced	2019-07-17		No		2019-07-18	ND	2019-07-29												
5072343	B08 06 B	B08 06 B	2445	HAZELTON ST	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-08-05	5.75	2019-08-12												
5072344	B08 06 B	B08 06 B	2443	HAZELTON ST	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-07-18	3.56	2019-07-29												
5042644	B07 05 A	B07 05 A	6357	WALDRON ST	Lead	Copper	PEX	Not Replaced	2019-07-17		No		2019-09-13	ND	2019-09-24												
5065348	CEP	CEP	1204	SUCCESS ST	Lead	Lead	PEX	Copper	2019-07-17	2019-07-17	No		2019-09-27	2.13	2019-10-08												
5038489	B07 05 A	B07 05 A	6319	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-18	2019-07-18	No		2019-07-19	27.5	2019-07-29	2019-11-11	ND	2019-12-03									
5038959	B07 05 A	B07 05 A	6338	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-18	2019-07-18	No		2019-07-22	31.7	2019-07-29	2020-01-21	ND	2020-01-29									
5072103	B08 06 B	B08 06 B	2518	MAPLE AVE	Lead	Lead	PEX	Copper	2019-07-18	2019-07-18	No		2019-07-19	ND	2019-07-29												
5033140	B04 09 B	B04 09 B	7123	IDLEWILD ST	Lead	Lead	PEX	Copper	2019-07-18	2019-07-18	No		2019-07-19	37.4	2019-08-05	2019-11-15	ND	2019-11-26									
5038518	B07 05 A	B07 05 A	6341	WALDRON ST	Lead	Lead	PEX	Copper	2019-07-18	2019-07-18	No		2019-08-21	ND	2019-09-03												
5053632	B06 03 A	B06 03 A	41	HARTFORD ST	Lead	Copper	PEX	Not Replaced	2019-07-18		No		2019-07-21	5	2019-07-29												
5038491	B07 05 A	B07 05 A	6313	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-19	2019-07-19	No		2019-07-20	ND	2019-07-29												
5033293	B04 09 B	B04 09 B	7204	MONTICELLO ST	Lead	Lead	PEX	Copper	2019-07-19	2019-07-19	No		2019-07-19	25.3	2019-08-05	2019-10-26	2.73	2019-11-04									
5072199	B08 06 B	B08 06 B	149	MCINTYRE AVE	Lead	Copper	PEX	Not Replaced	2019-07-19		No		2019-07-31	ND	2019-08-26												
5068896	Ops	Urgent LSLR	1148	ADMIRAL ST	Lead	Lead	PEX	Copper	2019-07-22	2019-08-01	No	Emergency	2019-08-02	3.97	2019-08-12												
5033225	B04 09 B	B04 09 B	7204	HERMITAGE ST	Lead	Lead	PEX	Not Replaced	2019-07-22		Yes		2019-11-13	ND	2019-11-26												
5032215	B04 09 B	B04 09 B	7025	FIELDING WAY	Lead	Lead	PEX	Copper	2019-07-22	2019-07-22	No		2019-08-11	28.4	2019-08-26												
5072073	B08 06 B	B08 06 B	20	MAGNET ST	Lead	Lead	PEX	Not Replaced	2019-07-22		Yes		2019-07-23	4.96	2019-08-12												
5042640	B07 05 A	B07 05 A	6350	WALDRON ST	Lead	Lead	PEX	Copper	2019-07-22	2019-07-22	No		2019-07-24	5.16	2019-08-05												
5033091	B04 09 B	B04 09 B	7150	RACE ST	Lead	Lead	PEX	Copper	2019-07-22	2019-07-22	No		2019-07-25	1.34	2019-08-12												
5072195	B08 06 B	B08 06 B	123	MCINTYRE AVE	Lead	Lead	PEX	Copper	2019-07-22	2019-07-22	No		2019-07-23	5.03	2019-07-29												
5038967	B07 05 A	B07 05 A	6316	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-22	2019-07-23	No		2019-07-24	2.36	2019-07-29												
5038968	B07 05 A	B07 05 A	6314	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-22	2019-07-25	No		2019-07-30	9.76	2019-08-12												
5042651	B07 05 A	B07 05 A	2408	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-07-23	2019-07-23	No		2019-08-02	2.86	2019-08-12												
5031865	B04 09 B	B04 09 B	1545	OAKDENE ST	Lead	Lead	PEX	Copper	2019-07-23	2019-07-23	No		2019-07-30	8.86	2019-08-12												
5055780	B06 03 A	B06 03 A	29	ROANOKE ST	Lead	Lead	PEX	Copper	2019-07-23	2019-07-23	No		2019-07-25	1.75	2019-08-05												
5042643	B07 05 A	B07 05 A	6355	WALDRON ST	Lead	PEX	PEX	Not Replaced	2019-07-23		No		2019-07-24	2.68	2019-08-05												
5072270	B08 06 B	B08 06 B	114	MAYWOOD ST	Lead	Lead	PEX	Copper	2019-07-23	2019-07-23	No		2019-07-27	3.3	2019-08-12												
5042634	B07 05 A	B07 05 A	2436	BEECHWOOD BLVD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-24	2019-07-24	No		2019-07-27	ND	2019-08-05												
5057149	B06 03 A	B06 03 A	1312	ARLINGTON AVE	Lead	Lead	PEX	Copper	2019-07-24	2019-07-24	No		2019-07-29	1.87	2019-08-05												
5072250	B08 06 B	B08 06 B	122	MCINTYRE AVE	Lead	Copper	PEX	Not Replaced	2019-07-24		No		2019-09-16	ND	2019-09-24												
5031957	B04 09 B	B04 09 B	7208	HILLIARDS ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-24	2019-07-24	No		2019-07-28	1.54	2019-08-05												
5072294	B08 06 B	B08 06 B	2430	PERRYSVILLE AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-24	2019-07-24	No		2019-07-25	4.79	2019-08-05												
5038519	B07 05 A	B07 05 A	6337	WALDRON ST	Lead	Lead	PEX	Copper	2019-07-24	2019-07-24	No		2019-07-26	2.31	2019-08-05												
5042647	B07 05 A	B07 05 A	2424	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-07-24	2019-07-24	No		2019-07-26	ND	2019-08-05												
5033086	B04 09 B	B04 09 B	7151	RACE ST	Lead	Lead	PEX	Copper	2019-07-24	2019-07-24	No		2019-10-04	2.06	2019-10-15												
5072917	CEP	CEP	911	S SIDE AVE	Lead	Lead	PEX	Copper	2019-07-24	2019-07-24	No		2019-07-25	56.1	2019-08-05	2019-08-13	71.6	2019-08-26	2019-08-21	15.1	2019-09-09	2019-09-13	2.1	2019-09-24			
5072266	B08 06 B	B08 06 B	106	MAYWOOD ST	Lead	Copper	PEX	Not Replaced	2019-07-24		No		2019-07-25	13.4	2019-08-05												
5057368	B06 03 A	B06 03 A	1433	ARLINGTON AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-07-25	2019-07-25	No		2019-07-31	1.64	2019-08-12												
5042631	B07 05 A	B07 05 A	2444	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-07-25	2019-07-25	No		2019-07-26	1.17	2019-08-05												
5038508	B07 05 A	B07 05 A	6330	WALDRON ST	Lead	Lead	PEX	Copper	2019-07-25	2019-07-25	No		2019-07-30	1.04	2019-08-05												
5072255	B08 06 B	B08 06 B	107	MCINTYRE AVE	Lead	Lead	PEX	Copper	2019-07-25	2019-07-25	No		2019-07-27	1.94	2019-08-05												
5042633	B07 05 A	B07 05 A	2440	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-07-25		No		2020-05-05	ND	2020-05-11												
5055215	B06 03 A	B06 03 A	8	SHARON ST	Lead	Lead	PEX	Copper	2019-07-25	2019-07-25	No		2019-07-27	ND	2019-08-05												
5053903	Ops		75	S 16TH ST	Lead	Copper	PEX	Not Replaced	2019-07-26		No	Emergency	2019-07-27	11	2019-08-05												
5038963	B07 05 A	B07 05 A	6326	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-26	2019-07-26	No		2019-07-28	11.6	2019-08-05												
5072260	B08 06 B	B08 06 B	23	MCINTYRE AVE	Lead	Lead	PEX	Copper	2019-07-26	2019-07-26	No		2019-07-30	3.06	2019-08-12												
5033231	B04 09 B	B04 09 B	7218	HERMITAGE ST	Lead	Lead	PEX	Copper	2019-07-26	2019-07-26	No		2019-07-31	1.16	2019-08-12												
5074178	CEP	CEP	2714	SPRING GARDEN AVE	Lead	Lead	PEX	Copper	2019-07-26	2019-07-26	No		2019-07-27	7.54	2019-08-05												
5057408	B06 03 A	B06 03 A	936	INDUSTRY ST	Lead	Copper	PEX	Not Replaced	2019-07-29		No		2019-07-29	ND	2019-08-05	2019-07-30	ND	2019-08-12									
5072241	B08 06 B	B08 06 B	38	MCINTYRE AVE	Lead	Lead	PEX	Copper	2019-07-29	2019-07-29	No		2019-07-30	ND	2019-08-05												
5038964	B07 05 A	B07 05 A	6324	CROMBIE ST	Lead	Lead	PEX	Copper	2019-07-29	2019-07-29	No		2019-08-30	2.65	2019-09-09												
5042650	B07 05 A	B07 05 A	2412	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-07-29	2019-07-29	No																

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5058474	B05_02_A	B05_02_A	320	GRACE ST	Lead	Copper	PEX	Not Replaced	2019-08-01		No		2019-08-21	ND	2019-09-03												
5058584	B05_02_A	B05_02_A	343	MAPLE TER	Lead	Copper	PEX	Not Replaced	2019-08-01		No		2019-08-03	ND	2019-08-12												
5033301	B04_09_B	B04_09_B	7238	MONTICELLO ST	Lead	Copper	PEX	Not Replaced	2019-08-01		No		2019-08-02	524	2019-08-12	2019-09-30	1.25	2019-10-08									
5032223	B04_09_B	B04_09_B	7025	IDLEWILD ST	Lead	Copper	PEX	Not Replaced	2019-08-02		No		2019-12-21	ND	2020-01-08												
5039310	B07_05_A	B07_05_A	2578	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-08-02	2019-08-02	No		2019-08-03	9.6	2019-08-12												
5006663	CEP	CEP	3362	AJAX ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-02	2019-08-02	No		2019-08-28	1.36	2019-09-09												
5072258	B08_06_B	B08_06_B	101	W MCINTYRE AVE	Lead	Copper	PEX	Not Replaced	2019-08-02		No		2019-09-27	ND	2019-10-08												
5033147	B04_09_B	B04_09_B	7157	IDLEWILD ST	Lead	Copper	PEX	Not Replaced	2019-08-02		No		2019-08-05	1.26	2019-08-26												
5042658	B07_05_A	B07_05_A	6362	PHILLIPS AVE	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-06	ND	2019-08-12												
5058422	B05_02_A	B05_02_A	352	GRACE ST	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-06	20	2019-08-12	2020-02-06	ND	2020-02-17									
5033165	B04_09_B	B04_09_B	7118	IDLEWILD ST	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-08	2.42	2019-08-18												
5068491	CEP	CEP	9	WOESSNER ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-05	2019-08-05	No		2019-08-08	14.3	2019-08-18												
5033397	B04_09_B	B04_09_B	7231	IDLEWILD ST	Lead	Copper	PEX	Not Replaced	2019-08-05		No		2019-08-07	6.45	2019-08-26												
5038993	B07_05_A	B07_05_A	2546	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-10-23	1.08	2019-11-04												
5042659	B07_05_A	B07_05_A	6360	PHILLIPS AVE	Lead	Copper	PEX	Not Replaced	2019-08-05		No		2020-01-16	ND	2020-01-29												
5038515	B07_05_A	B07_05_A	6347	WALDRON ST	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-07	ND	2019-08-26												
5058547	B05_02_A	B05_02_A	324	MAPLE TER	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-07	4.9	2019-09-03												
5038539	B07_05_A	B07_05_A	6338	PHILLIPS AVE	Lead	Copper	PEX	Not Replaced	2019-08-05		No		2019-08-06	10.8	2019-08-12												
5072589	B08_06_B	B08_06_B	217	W BURGESS ST	Lead	Copper	PEX	Not Replaced	2019-08-05		No		2019-08-08	1.86	2019-08-18												
5072575	B08_06_B	B08_06_B	222	W BURGESS ST	Lead	Lead	PEX	Copper	2019-08-05	2019-08-05	No		2019-08-08	ND	2019-08-26												
5071790	B08_06_B	B08_06_B	538	CHESTER AVE	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-08	5.92	2019-08-26												
5058427	B05_02_A	B05_02_A	342	GRACE ST	Lead	Copper	PEX	Not Replaced	2019-08-06		No		2019-08-22	1.7	2019-09-03												
5058576	B05_02_A	B05_02_A	315	MAPLE TER	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-12	ND	2019-08-18												
5032712	B04_09_B	B04_09_B	7149	HERMITAGE ST	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-09-16	ND	2019-09-24												
5038523	B07_05_A	B07_05_A	6327	WALDRON ST	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-14	4.18	2019-08-26												
5038506	B07_05_A	B07_05_A	6324	WALDRON ST	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-07	8.48	2019-08-12												
5071789	B08_06_B	B08_06_B	536	CHESTER AVE	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-07	1.68	2019-08-18												
5072580	B08_06_B	B08_06_B	234	W BURGESS ST	Lead	Lead	PEX	Copper	2019-08-06	2019-08-06	No		2019-08-09	ND	2019-08-18												
5058425	B05_02_A	B05_02_A	348	GRACE ST	Lead	PEX	PEX	Not Replaced	2019-08-06		No		2019-08-22	ND	2019-09-03												
5058551	B05_02_A	B05_02_A	340	MAPLE TER	Lead	Copper	PEX	Not Replaced	2019-08-06		No		2019-09-27	ND	2019-10-08												
5042738	B07_05_A	B07_05_A	2542	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-08-07	2019-08-07	No		2019-08-16	40.8	2019-08-26												
5058631	B05_02_A	B05_02_A	110	NATCHEZ ST	Lead	Lead	PEX	Copper	2019-08-07	2019-08-07	No		2019-08-09	1.96	2019-08-18												
5042741	B07_05_A	B07_05_A	2557	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-08-07		No		2019-08-08	3.77	2019-08-18												
5058550	B05_02_A	B05_02_A	334	MAPLE TER	Lead	Lead	PEX	Copper	2019-08-07	2019-08-07	No		2019-08-21	2.63	2019-09-03												
5071807	B08_06_B	B08_06_B	20	RUSSELL ST	Lead	Lead	PEX	Copper	2019-08-07	2019-08-07	No		2019-08-09	ND	2019-08-18												
5038516	B07_05_A	B07_05_A	6345	WALDRON ST	Lead	Lead	PEX	Copper	2019-08-07	2019-08-07	No		2019-08-08	1.93	2019-08-18												
5072536	B08_06_B	B08_06_B	311	W BURGESS ST	Lead	Copper	PEX	Not Replaced	2019-08-07		No		2019-08-09	1.02	2019-08-26	2019-08-10	ND	2019-08-18									
5058608	B05_02_A	B05_02_A	19	NATCHEZ ST	Lead	Copper	PEX	Not Replaced	2019-08-07																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrfrom Lab5
5012681	Urgent Water	Urgent Water	423	ELLA ST	Copper	Lead	PEX	Copper	2019-08-15	2019-08-15	No	Emergency	2019-09-06	170	2019-09-20	2020-01-31		2020-02-11	2020-04-03	4.81	2020-04-13						
5072498	B08_06_B	B08_06_B	418	CHAUTAUQUA ST	Lead	Copper	PEX	Not Replaced	2019-08-16		No		2019-08-17	5.92	2019-08-26												
5072497	B08_06_B	B08_06_B	416	CHAUTAUQUA ST	Lead	Lead	PEX	Copper	2019-08-16	2019-08-16	No		2019-08-19	1.6	2019-09-03												
5039305	B07_05_A	B07_05_A	6433	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-16	2019-08-16	No		2019-08-17	4.39	2019-08-26												
5045845	CEP	CEP	14	AUGUSTINE ST	Lead	Lead	PEX	Copper	2019-08-16	2019-08-16	No		2019-08-22	3.67	2019-09-09												
5038495	B07_05_A	B07_05_A	2277	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-16	2019-08-19	No		2019-09-09	ND	2019-09-24												
5039308	B07_05_A	B07_05_A	6443	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-19	2019-08-19	No		2019-10-30	1.59	2019-11-04	2019-11-07	1.46	2019-11-18									
5071290	B08_06_B	B08_06_B	1965	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-08-19		No		2019-08-20	ND	2019-09-03												
5061230	B05_02_A	B05_02_A	535	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-08-19		No		2019-08-20	2.38	2019-09-03												
5020734	Ops	Urgent LSLR	5565	CAMELIA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-20	2019-08-27	No	Emergency	2019-08-29	1.09	2019-09-16												
5032325	B04_09_B	B04_09_B	7045	KELLY ST	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-10-09	3.92	2019-10-15												
5038974	B07_05_A	B07_05_A	2313	TILBURY AVE	Lead	Copper	PEX	Not Replaced	2019-08-20		No		2019-08-21	ND	2019-09-03												
5058278	B05_02_A	B05_02_A	231	W SYCAMORE ST	Lead	Copper	PEX	Not Replaced	2019-08-20		No		2019-08-22	ND	2019-09-09												
5039306	B07_05_A	B07_05_A	6437	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-09-14	4.09	2019-09-24												
5061164	B05_02_A	B05_02_A	258	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-08-30	ND	2019-09-30												
5038986	B07_05_A	B07_05_A	6435	NICHOLSON ST	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-08-21	3.79	2019-09-03												
5038985	B07_05_A	B07_05_A	6433	NICHOLSON ST	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-08-21	1.45	2019-09-03												
5071262	B08_06_B	B08_06_B	232	LANGLEY AVE	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-08-20	1.27	2019-09-03												
5033721	B04_09_B	B04_09_B	7235	FORMOSA WAY	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-20	2019-08-20	No		2019-08-20	6.82	2019-09-16												
5033722	B04_09_B	B04_09_B	7237	FORMOSA WAY	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-20	2019-08-20	No		2019-08-20	ND	2019-09-09												
5071289	B08_06_B	B08_06_B	1961	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-08-20		No		2019-09-16	ND	2019-09-24												
5052299	CEP	CEP	2300	ECCLES ST	Lead	Lead	PEX	Copper	2019-08-20	2019-08-20	No		2019-08-21	ND	2019-09-03												
5071295	B08_06_B	B08_06_B	528	MCCLINTOCK AVE	Lead	Lead	PEX	Copper	2019-08-20	2019-08-21	No		2019-08-22	1.31	2019-09-03												
5034807	Ops		232	GLADSTONE RD	Lead	PEX	PEX	Not Replaced	2019-08-20		No	Emergency	2019-08-26	1.31	2019-09-03												
5061231	B05_02_A	B05_02_A	533	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-08-20		No		2019-08-21	1.1	2019-09-16												
5051332	Ops		2712	SARAH ST	Lead	Copper	PEX	Not Replaced	2019-08-21		No	Emergency	2019-08-24	42.1	2019-09-03	2020-03-16	ND	2020-03-30									
5039299	B07_05_A	B07_05_A	6404-6406	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-08-21	3.81	2019-09-03	2019-09-30	ND	2019-10-08									
5032320	B04_09_B	B04_09_B	7035	KELLY ST REAR	Lead	Copper	PEX	Not Replaced	2019-08-21		No		2019-08-23	ND	2019-09-16												
5071263	B08_06_B	B08_06_B	236	LANGLEY AVE	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-08-23	ND	2019-09-03												
5038981	B07_05_A	B07_05_A	6417	NICHOLSON ST	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-08-21	1.21	2019-09-03												
5033887	B04_09_B	B04_09_B	7366	HAMILTON AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-21	2019-08-21	No		2019-08-22	ND	2019-09-03												
5061369	B05_02_A	B05_02_A	245	PAUL ST	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2020-01-16	8.96	2020-01-29												
5033278	B04_09_B	B04_09_B	7309	MONTICELLO ST	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-10-06	1.29	2019-10-29												
5039000	B07_05_A	B07_05_A	2329	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-08-24	ND	2019-09-03												
5042719	B07_05_A	B07_05_A	6445	NICHOLSON ST	Lead	Lead	PEX	Copper	2019-08-21	2019-08-21	No		2019-10-27	ND	2019-11-04												
5059408	B05_02_A	B05_02_A	142	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-08-21	2019-08-22	No		2019-09-18	ND	2019-09-24	2020-02-03		2020-02-17									
5039001	B07_05_A	B07_05_A	2331	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-24	35.3	2019-09-03	2020-02-03	1.07	2020-02-17									
5038829	B07_05_A	B07_05_A	6320	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2020-01-01	ND	2020-01-08												
5039006	B07_05_A	B07_05_A	2345-2347	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-26	ND	2019-09-09												
5059407	B05_02_A	B05_02_A	144	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-24	23.8	2019-09-03												
5008759	Herron Ave Relay	Herron Ave Relay	1018	HERRON AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-23	ND	2019-09-09												
5034140	B04_09_B	B04_09_B	7518	TIOGA ST	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-10-07	7.52	2019-10-15												
5071240	B08_06_B	B08_06_B	2015	DRUM ST	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-23	3.96	2019-09-09												
5047701	CEP	CEP	138	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-12-09	2	2020-01-10												
5059442	B05_02_A	B05_02_A	141	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-08-22		No		2019-08-25	1.23	2019-09-03												
5061378	B05_02_A	B05_02_A	225	PAUL ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-22	2019-08-22	No		2019-08-23	10.7	2019-09-03												
5061368	B05_02_A	B05_02_A	249	PAUL ST	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-11-06	1.22	2019-11-18												
5039002	B07_05_A	B07_05_A	2333	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-22	2019-08-22	No		2019-08-23	164	2019-09-03	2022-12-09	ND	2022-12-19									
5039023	B07_05_A	B07_05_A	6338	FORWARD AVE	Lead	Lead	PEX	Copper	2019-08-23	2019-08-23	No		2019-09-18	1.3	2019-09-30												
5008761	Herron Ave Relay	Herron Ave Relay	1022	HERRON AVE	Lead	Lead	PEX	Copper	2019-08-23	2019-08-23	No		2019-08-24	7	2019-09-20												
5071260	B08_06_B	B08_06_B	228	LANGLEY AVE	Lead	Lead	PEX	Copper	2019-08-23	2019-08-23	No		2019-12-02	ND	2020-01-10												
5033886	B04_09_B	B04_09_B	7364	HAMILTON AVE	Lead	Lead	PEX	Copper	2019-08-23	2019-08-23	No		2019-09-29	ND	2019-10-08												
5061376	B05_02_A	B05_02_A	229	PAUL ST	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-28	ND	2019-09-09												
5059403	B05_02_A	B05_02_A	154	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-27	ND	2019-09-09												
5042729	B07_05_A	B07_05_A	2514	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-29	1.31	2019-09-09	2019-09-04	2.36	2019-09-24									
5033839	B04_09_B	B04_09_B	563	RICHLAND LN	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-27	9.14	2019-09-09												
5008757	Herron Ave Relay	Herron Ave Relay	1014	HERRON AVE	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-26	18	2019-09-20												
5071264	B08_06_B	B08_06_B	238	LANGLEY AVE	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-10-15	1.3	2019-10-21												
5069990	B08_06_B	B08_06_B	533	MCCLINTOCK AVE	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26	No		2019-08-30	ND	2019-09-09												
5038971	B07_05_A	B07_05_A	2305	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-26	2019-08-26																	

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5122391	CEP	CEP	227	SAMPLE STREET	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-08-29	2019-08-29	No		2019-10-25	ND	2019-11-04												
5039040	B07_05_A	B07_05_A	2322	TILBURY AVE	Lead	Lead	PEX	Copper	2019-08-29	2019-08-29	No		2019-08-30	2.99	2019-09-09												
5057717	CEP	CEP	139	HABERMAN AVE	Lead	Lead	PEX	Copper	2019-08-30	2019-08-30	No		2019-08-31	22	2019-10-29	2020-02-11	ND	2020-02-17									
5061227	B05_02_A	B05_02_A	519	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-09-03		No		2019-09-16	1.31	2019-09-24												
5061232	B05_02_A	B05_02_A	531	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-09-03		No		2019-09-10	1.03	2019-09-24												
5072510	B08_06_B	B08_06_B	2219	HOLYOKE ST	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-06	2.44	2019-09-24												
5122669	CEP	CEP	918	HANSEN STREET	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-04	3.67	2019-09-09												
5039238	B07_05_A	B07_05_A	6354	ALDERSON ST	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-04	9.98	2019-09-16												
5033041	B04_09_B	B04_09_B	7134	MONTICELLO ST	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-04	14.9	2019-09-16	2020-02-10	ND	2020-02-17									
5039031	B07_05_A	B07_05_A	2346	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-04	30.4	2019-09-16	2020-02-23	ND	2020-03-02									
5061224	B05_02_A	B05_02_A	549	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-09-03		No		2019-09-04	1.14	2019-09-09												
5061234	B05_02_A	B05_02_A	255	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-09-03		No		2019-09-05	25.5	2019-09-16												
5039332	B07_05_A	B07_05_A	4021	LUDWICK ST	Lead	Lead	PEX	Copper	2019-09-03	2019-09-03	No		2019-09-06	24.6	2019-10-08												
5058424	B05_02_A	B05_02_A	350	GRACE ST	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-09-06	1.64	2019-09-24												
5039032	B07_05_A	B07_05_A	2344	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-09-05	ND	2019-09-24												
5039330	B07_05_A	B07_05_A	4015	LUDWICK ST	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-09-05	14.3	2019-09-16												
5039177	B07_05_A	B07_05_A	6309	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-09-05	1.34	2019-09-24												
5039009	B07_05_A	B07_05_A	2357	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-10-08	3.67	2019-10-21												
5030604	B04_09_A	B04_09_A	6723	FRANKSTOWN AVE	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-09-30	3.26	2019-10-08												
5070019	B08_06_B	B08_06_B	610	ROLLA ST	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-10-13	ND	2019-10-21												
5039215	B07_05_A	B07_05_A	6337	ALDERSON ST	Lead	Lead	PEX	Copper	2019-09-04	2019-09-04	No		2019-10-22	4.4	2019-10-29												
5038828	B07_05_A	B07_05_A	6322	FORWARD AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-09-05	2019-09-05	No		2019-09-06	2.92	2019-09-24												
5058970	B05_02_A	B05_02_A	132	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-09-05	1.26	2019-09-24												
5059057	B05_02_A	B05_02_A	46	GREENBUSH ST	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-11-01	ND	2019-11-11												
5038826	B07_05_A	B07_05_A	6326	FORWARD AVE	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-09-06	6.83	2019-09-24												
5039033	B07_05_A	B07_05_A	2336	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-11-17	12	2019-12-03												
5069927	B08_06_B	B08_06_B	1604	BRIGHTON PL	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-09-05	ND	2019-09-24												
5039242	B07_05_A	B07_05_A	6366	ALDERSON ST	Lead	Lead	PEX	Copper	2019-09-05	2019-09-05	No		2019-09-22	ND	2019-09-30												
5030606	B04_09_A	B04_09_A	808	WASHINGTON BLVD	Lead	Lead	PEX	Copper	2019-09-05	2019-09-06	No		2019-09-11	1.79	2019-09-24												
5039341	B07_05_A	B07_05_A	4028	LUDWICK ST	Lead	Copper	PEX	Not Replaced	2019-09-05		No		2019-09-06	1.83	2019-09-24												
5033216	B04_09_B	B04_09_B	1302	STERRETT ST	Lead	Lead	PEX	Copper	2019-09-06	2019-09-06	No		2019-09-24	ND	2019-09-30												
5061361	B05_02_A	B05_02_A	244	PAUL ST	Lead	Lead	PEX	Copper	2019-09-06	2019-09-06	No		2019-09-09	1.74	2019-09-24												
5059628	B05_02_A	B05_02_A	242	SMITH WAY	Lead	Lead	PEX	Copper	2019-09-06	2019-09-06	No		2019-09-07	2.49	2019-09-24												
5039237	B07_05_A	B07_05_A	6352	ALDERSON ST	Lead	Lead	PEX	Copper	2019-09-06	2019-09-06	No		2019-09-09	16	2019-09-24	2020-02-21	ND	2020-03-02									
5059054	B05_02_A	B05_02_A	36	GREENBUSH ST	Lead	Copper	PEX	Not Replaced	2019-09-06		No		2019-09-07	4.24	2019-09-24												
5069913	B08_06_B	B08_06_B	1740	BRIGHTON PL	Lead	Copper	PEX	Not Replaced	2019-09-06		No		2019-09-07	1.07	2019-09-24												
5061105	B05_02_A	B05_02_A	608	CHESS ST	Lead	Lead	PEX	Copper	2019-09-09	2019-09-09	No		2019-09-10	1.33	2019-09-24												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5061387	B05_02_A	B05_02_A	218	ALBERT ST	Lead	Copper	PEX	Not Replaced	2019-09-17		No		2019-09-19	ND	2019-09-30												
5041048	CEP	CEP	525	GETTYSBURG ST	Lead	Lead	PEX	Copper	2019-09-17	2019-09-23	No		2019-11-10	1.12	2019-11-18												
5039520	B07_05_A	B07_05_A	6244	MONITOR ST	Lead	Copper	PEX	Not Replaced	2019-09-18		No		2019-09-19	1.84	2019-09-30												
5039283	B07_05_A	B07_05_A	2760	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-19	ND	2019-09-30												
5039210	B07_05_A	B07_05_A	6321	ALDERSON ST	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-19	5.38	2019-09-30												
5039519	B07_05_A	B07_05_A	6240	MONITOR ST	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-26	6.79	2019-10-08												
5054124	Fox Way Water Relay	Fox Way Water Relay	1907	FOX WAY	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-19	1.35	2019-09-30												
5039186	B07_05_A	B07_05_A	6343	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2019-09-18	2019-09-20	No		2019-11-05	6.38	2019-11-11												
5004439	CEP	CEP	509	CATO ST	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-19	9.95	2019-09-30												
5059082	B05_02_A	B05_02_A	329	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-18	13	2019-09-30	2020-04-16	ND	2020-04-27									
5069886	B08_06_B	B08_06_B	824	CALIFORNIA AVE	Lead	Lead	PEX	Copper	2019-09-18	2019-09-18	No		2019-09-20	1.9	2019-09-30												
5029779	Ops	Urgent LSLR	6515	SHETLAND AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-25	No	Emergency	2019-10-01	ND	2019-10-08												
5059076	B05_02_A	B05_02_A	97	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	2.81	2019-09-30												
5061395	B05_02_A	B05_02_A	242	ALBERT ST	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	21.1	2019-09-30	2020-02-01	ND	2020-02-17									
5064358	B08_06_B	B08_06_B	1239	SUCCESS ST	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-24	1.07	2019-09-30												
5038436	B07_05_A	B07_05_A	2260	SHADY AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	2.78	2019-09-30												
5069866	B08_06_B	B08_06_B	855	KIRKBRIDE ST	Lead	Copper	PEX	Not Replaced	2019-09-19		No		2019-10-01	3.42	2019-10-08												
5039255	B07_05_A	B07_05_A	6367	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-24	1.86	2019-10-08												
5064359	B08_06_B	B08_06_B	1237	SUCCESS ST	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-23	ND	2019-09-30												
5039284	B07_05_A	B07_05_A	2709	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	ND	2019-09-30												
5061398	B05_02_A	B05_02_A	48	ALBERT ST	Lead	Copper	PEX	Not Replaced	2019-09-19		No		2019-09-20	ND	2019-09-30	2019-09-21	9.06	2019-10-08									
5061282	B05_02_A	B05_02_A	535	GRIFFIN ST	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	5.55	2019-09-30												
5058977	B05_02_A	B05_02_A	106	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-09-19		No		2019-09-24	2.82	2019-10-08												
5039285	B07_05_A	B07_05_A	2713-2715	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-19	2019-09-19	No		2019-09-20	2.86	2019-09-30												
5039290	B07_05_A	B07_05_A	2625	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-20	2019-09-20	No		2019-10-06	5.18	2019-10-15												
5038941	B07_05_A	B07_05_A	2316	SHADY AVE	Lead	Lead	PEX	Copper	2019-09-20	2019-09-20	No		2019-10-29	1.62	2019-11-04												
5069867	B08_06_B	B08_06_B	847	KIRKBRIDE ST	Lead	Lead	PEX	Copper	2019-09-20	2019-09-20	No		2019-09-21	ND	2019-10-08												
5042913	B07_05_A	B07_05_A	2737	MOUNT ROYAL RD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-09-20	2019-09-20	No		2019-09-22	4.55	2019-09-30												
5017491	CEP	CEP	4012	MINTWOOD ST	Lead	Lead	PEX	Copper	2019-09-20	2019-09-20	No		2019-11-12	1.1	2019-11-18												
5025126	CEP	CEP	1037	KING AVE	Lead	Lead	PEX	Copper	2019-09-20	2019-09-20	No		2019-09-21	11.2	2019-09-30	2020-02-12	ND	2020-02-17									
5069856	B08_06_B	B08_06_B	929	KIRKBRIDE ST	Lead	Lead	PEX	Copper	2019-09-23	2019-09-23	No		2019-09-28	4.81	2019-10-08												
5038947	B07_05_A	B07_05_A	2311	SHADY AVE	Lead	Lead	PEX	Copper	2019-09-23	2019-09-23	No		2019-09-24	4.69	2019-09-30												
5061249	B05_02_A	B05_02_A	524	GRIFFIN ST	Lead	Lead	PEX	Copper	2019-09-23	2019-09-23	No		2019-11-21	3	2019-12-31												
5039247	B07_05_A	B07_05_A	2708	TILBURY AVE	Lead	Lead	PEX	Copper	2019-09-23	2019-09-23	No		2019-12-19	ND	2020-01-10												
5009307	CEP	CEP	3502	PENN AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-09-23	No		2019-10-04	1.37	2019-10-15												
5039512	B07_05_A	B07_05_A	6237	MONITOR ST	Lead	Lead	PEX	Copper	2019-09-23	2019-09-23	No		2019-09-25	13.3	2019-09-30	2020-01-27	5.59	2020-02-03									
5061437	B05_02_A																										

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5071681	B08_06_B	B08_06_B	633	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-10-02	2019-10-02	No		2019-10-19	ND	2019-11-11												
5050188	B07_05_B	B07_05_B	715	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-02	2019-10-02	No		2019-10-05	5.9	2019-10-15												
5058615	B05_02_A	B05_02_A	50	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-10-02	2019-10-02	No		2019-10-03	13.4	2019-10-08	2020-01-29	ND	2020-02-03									
5041063	Ops	Urgent LSLR	524	HASTINGS ST	Lead	Lead	PEX	Copper	2019-10-03	2019-10-17	No	Emergency	2019-10-19	8.11	2019-10-29												
5039452	B07_05_A	B07_05_A	6330	MONITOR ST	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-04	12.9	2019-10-15												
5071705	B08_06_B	B08_06_B	2538	IRWIN AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-07	ND	2019-10-15												
5061359	B05_02_A	B05_02_A	238	PAUL ST	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-04	53.6	2019-10-29												
5039150	B07_05_A	B07_05_A	6343	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-05	4.68	2019-10-15												
5059046	B05_02_A	B05_02_A	51	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-08	1.62	2019-10-15												
5061514	B05_02_A	B05_02_A	350	ALBERT ST	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-04	9.32	2019-10-15												
5071629	B08_06_B	B08_06_B	607	MARSHALL AVE	Lead	Copper	PEX	Not Replaced	2019-10-03		No		2019-10-03	212	2019-10-15	2020-01-26	ND	2020-02-03									
5072223	B08_06_B	B08_06_B	22	KENWOOD AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-05	5.66	2019-10-15												
5071652	B08_06_B	B08_06_B	829	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-10-03	2019-10-03	No		2019-10-04	3.59	2019-10-15												
5058616	B05_02_A	B05_02_A	52	SOUTHERN AVE	Lead	Copper	PEX	Not Replaced	2019-10-04		No		2019-10-06	ND	2019-10-15												
5073827	Ops	B02_01_B	225	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-10-04	2019-10-05	No	Emergency	2020-07-11	2.15	2020-07-20	2020-07-11	ND	2020-07-20									
5039324	B07_05_A	B07_05_A	6206	MONITOR ST	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2019-10-12	1.9	2019-10-21												
5059428	B05_02_A	B05_02_A	2	DE WITT ST	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2020-01-22	ND	2020-01-29												
5050177	B07_05_B	B07_05_B	743	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2019-10-13	1.29	2019-10-21												
5056319	CEP_02	CEP_02	423	EUREKA ST	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2019-12-06	ND	2020-01-10												
5058982	B05_02_A	B05_02_A	92	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2019-10-07	ND	2019-10-15												
5061285	B05_02_A	B05_02_A	521	GRIFFIN ST	Lead	Lead	PEX	Copper	2019-10-04	2019-10-04	No		2019-10-05	12.2	2019-10-21												
5075278	B02_01_B	B02_01_B	259	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-07		No		2019-10-08	1.35	2019-10-15												
5120151	B02_01_B	B02_01_B	292	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-07		No		2019-11-25	ND	2019-12-03												
5071654	B08_06_B	B08_06_B	837	MARSHALL AVE	Lead	Copper	PEX	Copper	2019-10-07	2019-10-07	No		2019-10-08	6.31	2019-10-15												
5039162	B07_05_A	B07_05_A	6358	MORROWFIELD AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-08	2019-10-08	No		2019-10-13	8.64	2019-10-21												
5039262	B07_05_A	B07_05_A	2774	BEECHWOOD BLVD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-08	2019-10-08	No		2020-04-28	1.24	2020-05-04												
5039464	B07_05_A	B07_05_A	6368	MONITOR ST	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-13	5.2	2019-10-21												
5038469	B07_05_A	B07_05_A	2271	SHADY AVE	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-08	ND	2019-10-15												
5039465	B07_05_A	B07_05_A	6372	MONITOR ST	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-09	3.22	2019-10-15												
5039530	B07_05_A	B07_05_A	2794	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-09	1.47	2019-11-04												
5075272	B02_01_B	B02_01_B	247	WATSON BLVD	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-21	1.58	2019-10-29												
5039163	B07_05_A	B07_05_A	6356	MORROWFIELD AVE	Lead	Copper	PEX	Not Replaced	2019-10-08		No		2019-10-15	1.22	2019-10-21												
5075336	B02_01_B	B02_01_B	225	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-08		No		2019-10-09	3.72	2019-10-15												
5059052	B05_02_A	B05_02_A	73	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-10	6.11	2019-10-29												
5071634	B08_06_B	B08_06_B	543	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-09	5.48	2019-10-15												
5050189	B07_05_B	B07_05_B	708	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-09	9.71	2019-10-15												
5050186	B07_05_B	B07_05_B	721	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-08	2019-10-08	No		2019-10-09	13.1	2019-10-15	2020-01-30	2.11	2020-02-11									

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5061325	B05_02_A	B05_02_A	209	JASPER ST	Lead	Copper	PEX	Not Replaced	2019-10-17		No		2019-10-22	6.64	2019-11-11												
5073425	B02_01_B	B02_01_B	83	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-17		No		2019-10-19	5.86	2019-11-04												
5040170	B07_05_A	B07_05_A	3032	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-10-17	2019-10-18	No		2019-10-19	1.92	2019-10-29												
5060247	B05_02_B	B05_02_B	116	SHALER ST	Lead	Lead	PEX	Copper	2019-10-18	2019-10-18	No		2019-10-21	1.21	2019-11-04												
5039307	B07_05_A	B07_05_A	6441	FORWARD AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-18	2019-10-18	No		2019-10-20	1.91	2019-10-29												
5040042	B07_05_A	B07_05_A	4329	LUDWICK ST	Lead	Lead	PEX	Copper	2019-10-18	2019-10-18	No		2019-10-19	1.77	2019-10-29												
5073543	B02_01_B	B02_01_B	16	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-18		No		2019-10-19	2.14	2019-10-29												
5040140	B07_05_A	B07_05_A	3077	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-10-18	2019-10-18	No		2019-10-21	ND	2019-10-29												
5039492	B07_05_A	B07_05_A	6376	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2019-10-18	2019-10-18	No		2019-10-19	2.27	2019-10-29												
5046830	B07_05_B	B07_05_B	651	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-18	2019-10-18	No		2019-10-19	ND	2019-10-29												
5004947	Ops	Urgent LSLR	3282	DAWSON ST	Lead	Lead	PEX	Copper	2019-10-19	2019-10-30	No	Emergency	2019-11-02	ND	2019-11-18												
5039698	B07_05_A	B07_05_A	6433	LANDVIEW RD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-19	2019-10-19	No		2019-10-28	5.48	2019-11-04												
5039686	B07_05_A	B07_05_A	6421	LANDVIEW RD	Lead	Copper	PEX	Not Replaced	2019-10-19		No		2019-10-19	ND	2019-10-29												
5046852	B07_05_B	B07_05_B	670	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-19	2019-10-19	No		2019-10-20	ND	2019-10-29												
5048732	CEP	CEP	326	JOHNSTON AVE	Lead	Lead	PEX	Copper	2019-10-19	2019-10-19	No		2019-10-28	15.3	2019-11-11												
5040141	B07_05_A	B07_05_A	3079	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-10-21		No		2019-10-22	ND	2019-10-29												
5058676	B05_02_A	B05_02_A	20	SOUTHERN AVE	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-22	1.86	2019-11-11												
5073913	B02_01_B	B02_01_B	2707	NORWOOD AVE	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-11-10	3.56	2019-11-18												
5039264	B07_05_A	B07_05_A	6379	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-23	5.18	2019-10-29												
5039030	B07_05_A	B07_05_A	2350	TILBURY AVE	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-12-11	ND	2020-01-10												
5073567	B02_01_B	B02_01_B	41	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-21		No		2019-10-23	11	2019-11-04	2020-01-26	ND	2020-02-03									
5040138	B07_05_A	B07_05_A	3071	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-22	2.79	2019-10-29												
5039697	B07_05_A	B07_05_A	6437	LANDVIEW RD	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-22	1.5	2019-10-29												
5025699	CEP_02	CEP_02	5528	JACKSON ST	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-24	8.07	2019-11-04												
5061728	B05_02_A	B05_02_A	228	JASPER ST	Lead	Copper	PEX	Not Replaced	2019-10-21		No		2019-10-22	17.6	2019-10-29	2020-01-28	ND	2020-02-03									
5061727	B05_02_A	B05_02_A	226	JASPER ST	Lead	Copper	PEX	Not Replaced	2019-10-21		No		2019-10-22	11.7	2019-10-29												
5046858	B07_05_B	B07_05_B	654	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-21	2019-10-21	No		2019-10-22	4.76	2019-10-29												
5073577	B02_01_B	B02_01_B	36	WATSON BLVD	Lead	Lead	PEX	Copper	2019-10-22	2019-10-22	No		2019-10-23	3.3	2019-10-29												
5073562	B02_01_B	B02_01_B	67	WATSON BLVD	Lead	Lead	PEX	Copper	2019-10-22	2019-10-22	No		2019-10-25	5.9	2019-11-04												
5030876	Ops	Urgent LSLR	6924	CHURCHLAND ST	Lead	Lead	PEX	Copper	2019-10-23	2019-10-26	No	Emergency	2019-10-29	1.58	2019-11-04												
5039692	B07_05_A	B07_05_A	6424	LANDVIEW RD	Lead	Lead	PEX	Copper	2019-10-23	2019-10-23	No		2019-11-13	ND	2019-11-18												
5073426	B02_01_B	B02_01_B	91	WATSON BLVD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-23	2019-10-23	No		2019-10-26	2.85	2019-11-04												
5039699	B07_05_A	B07_05_A	6427	LANDVIEW RD	Lead	Lead	PEX	Copper	2019-10-23	2019-10-23	No		2019-10-25	5.91	2019-11-04												
5073578	B02_01_B	B02_01_B	38	WATSON BLVD	Lead	Lead	PEX	Copper	2019-10-23	2019-10-23	No		2019-10-25	1.04	2019-11-11												
5046828	B07_05_B	B07_05_B	635	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-10-23	2019-10-23	No		2019-10-24	9.43	2019-10-29												
5039491	B07_05_A	B07_05_A	6380	BURCHFIELD AVE	Lead	Copper	PEX	Not Replaced	2019-10-23		No		2019-10-24	22.5	2019-11-11	2020-01-30	2.41	2020-02-11									
5073569	B02_01_B	B02_01_B	37	WATSON BLVD	Lead	Copper	PEX	Not Replaced	2019-10-23		No		2019-10-24	1.81	2019-11-04												
5049953	B07_05_B	B07_																									

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5060503	B05_02_B	B05_02_B	342	AUGUSTA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-10-30	2019-10-30	No		2019-11-06	ND	2019-11-11												
5060803	B05_02_B	B05_02_B	465	AUGUSTA ST	Lead	Copper	PEX	Not Replaced	2019-10-31		No		2019-10-31	7.04	2019-11-11												
5073589	B02_01_B	B02_01_B	46	TRETOW ST	Lead	Lead	PEX	Copper	2019-10-31	2019-10-31	No		2019-11-02	ND	2019-11-11												
5060805	B05_02_B	B05_02_B	467	AUGUSTA ST	Lead	Copper	PEX	Not Replaced	2019-10-31		No		2019-11-01	1.6	2019-11-11												
5061307	B05_02_A	B05_02_A	528	BOGGS AVE	Lead	Lead	PEX	Copper	2019-10-31	2019-10-31	No		2019-11-02	6.91	2019-11-11												
5073880	B02_01_B	B02_01_B	316	MAYFIELD AVE	Lead	Lead	PEX	Copper	2019-10-31	2019-10-31	No		2019-11-03	36.9	2019-11-26												
5061320	B05_02_A	B05_02_A	613	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-10-31		No		2019-11-04	ND	2019-11-11												
5045603	B07_05_B	B07_05_B	869	DEELY ST	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-03	7.56	2019-11-11												
5039654	B07_05_B	B07_05_B	4245	SALINE ST	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-04	6.42	2019-11-11												
5038530	B07_05_A	B07_05_A	2255	TILBURY AVE	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-03	ND	2019-11-11												
5073920	B02_01_B	B02_01_B	2716	DELGAR ST	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-03	ND	2019-11-18												
5046820	B07_05_B	B07_05_B	621	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-28	ND	2020-01-07												
5020207	CEP_02	CEP_02	5122	STANTON AVE	Lead	Lead	PEX	Copper	2019-11-01	2019-11-01	No		2019-11-06	ND	2019-11-26												
5039827	B07_05_A	B07_05_A	3157	SHADY AVENUE EXT	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-02	2019-11-02	No		2019-11-06	2.46	2019-11-11												
5040195	B07_05_A	B07_05_A	3240	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-11-02		No		2019-11-07	2.55	2019-11-18												
5045606	B07_05_B	B07_05_B	861	DEELY ST	Lead	Copper	PEX	Not Replaced	2019-11-02		No		2019-11-05	1.47	2019-11-11												
5046874	B07_05_B	B07_05_B	606	MONTCLAIR ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-02	2019-11-02	No		2019-11-05	8.58	2019-11-18												
5039837	B07_05_A	B07_05_A	6605	LANDVIEW RD	Lead	Copper	PEX	Not Replaced	2019-11-02		No		2019-11-04	1.11	2019-11-11												
5039125	B07_05_A	B07_05_A	2843	SHADY AVE	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-05	4.39	2019-11-18												
5073400	B02_01_B	B02_01_B	3323	DELAWARE ST	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-05	35.6	2019-11-11	2020-03-07	39.8	2020-03-16	2020-07-03	45.2	2020-07-13	2020-10-29	2.1	2020-11-16			
5073551	B02_01_B	B02_01_B	3201	ORLEANS ST	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-07	11.4	2019-11-18	2020-02-20	2.7	2020-02-24									
5061303	B05_02_A	B05_02_A	512	BOGGS AVE	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-08	3.17	2019-11-18												
5060513	B05_02_B	B05_02_B	347	AUGUSTA ST	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-05	316	2019-11-11	2020-02-09	2.01	2020-02-17									
5046871	B07_05_B	B07_05_B	614	MONTCLAIR ST	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-06	5.59	2019-11-11												
5039508	B07_05_A	B07_05_A	2905	SHADY AVE	Lead	Lead	PEX	Copper	2019-11-04	2019-11-04	No		2019-11-05	7.02	2019-11-11												
5040197	B07_05_A	B07_05_A	3234	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-06	20	2019-11-11												
5039230	B07_05_A	B07_05_A	6361	ALDERSON ST	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-17	43.3	2019-11-26												
5060516	B05_02_B	B05_02_B	333	AUGUSTA ST	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-09	8.22	2019-11-26												
5061298	B05_02_A	B05_02_A	442	BOGGS AVE	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-11	ND	2019-11-18												
5039503	B07_05_A	B07_05_A	2929	SHADY AVE	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-06	14	2019-11-11	2020-02-19	56.6	2020-02-24	2020-05-14	ND	2020-05-18						
5073801	B02_01_B	B02_01_B	362	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-07	3.97	2019-11-18												
5073555	B02_01_B	B02_01_B	3218	ORLEANS ST	Lead	Copper	PEX	Not Replaced	2019-11-05		No		2019-11-08	1.3	2019-11-18												
5014146	CEP_02	CEP_02	351	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2019-11-05	2019-11-05	No		2019-11-11	2.08	2019-11-18												
5060559	B05_02_B	B05_02_B	329	SWEETBRIAR ST	Lead	Lead	PEX	Not Replaced	2019-11-05		Yes		2019-11-07	ND	2019-11-18												
5015232	CEP_02	CEP_02	522	OSCEOLA ST	Lead	Lead	PEX	Copper	2019-11-06	2019-11-06	No		2019-11-07	ND	2019-11-18												
5061382	B05_02_A	B05_02_A	515	BOGGS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-06	2019-11-06	No		2019-11-17	ND	2020-01-10												
5073921	B02_01_B	B02_01_B	2724	DELGAR ST	Lead	Copper	PEX	Not Replaced	2019-11-06																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrfrom Lab5
5059191	B05 02 A	B05 02 A	79	WYOMING ST	Lead	Lead	PEX	Copper	2019-11-15	2019-11-15	No		2019-11-18	ND	2019-11-26												
5046412	B07 05 B	B07 05 B	905	NORFOLK ST	Lead	Lead	PEX	Copper	2019-11-15	2019-11-15	No		2019-11-19	15	2019-11-26	2020-02-27	ND	2020-03-02									
5072061	B02 01 B	B02 01 B	2639	ELLIS ST	Lead	Copper	PEX	Not Replaced	2019-11-15		No		2019-11-15	711	2019-11-26	2020-02-14	ND	2020-02-24									
5046792	B07 05 B	B07 05 B	4323	TESLA ST	Lead	Lead	PEX	Copper	2019-11-16	2019-11-16	No		2019-11-18	ND	2019-11-26												
5075266	B02 01 B	B02 01 B	3440	PERRYSVILLE AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-18	2019-11-18	No		2019-11-19	ND	2019-11-26												
5050122	B07 05 B	B07 05 B	3484	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-11-18		No		2019-11-19	ND	2019-11-26												
5045609	B07 05 B	B07 05 B	847	DEELY ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-18	2019-11-18	No		2019-12-06	ND	2020-01-07												
5045722	B07 05 B	B07 05 B	834	LILAC ST	Lead	Lead	PEX	Copper	2019-11-18	2019-11-18	No		2019-11-20	ND	2019-12-03												
5050156	B07 05 B	B07 05 B	4238	SALINE ST	Lead	Lead	PEX	Copper	2019-11-18	2019-11-18	No		2019-11-21	1.07	2019-12-03												
5073364	B02 01 B	B02 01 B	3325	PORTOLA ST	Lead	Lead	PEX	Copper	2019-11-18	2019-11-18	No		2019-11-21	4.42	2019-11-26												
5045622	B07 05 B	B07 05 B	801	DEELY ST	Lead	Copper	PEX	Not Replaced	2019-11-18		No		2020-05-03	2.8	2020-05-11												
5046784	B07 05 B	B07 05 B	4320	TESLA ST	Lead	Lead	PEX	Copper	2019-11-18	2019-11-18	No		2019-11-22	1.16	2019-12-03												
5059132	B05 02 A	B05 02 A	96	WYOMING ST	Lead	Lead	PEX	Copper	2019-11-18	2019-11-18	No		2020-06-17	ND	2020-06-22												
5072056	B02 01 B	B02 01 B	2627	ELLIS ST	Lead	Copper	PEX	Not Replaced	2019-11-18		No		2019-12-15	ND	2020-01-08												
5075322	B02 01 B	B02 01 B	3444	DELAWARE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-19	2019-11-19	No		2020-01-06	1.47	2020-01-22												
5050142	B07 05 B	B07 05 B	4204	SALINE ST	Lead	Lead	PEX	Copper	2019-11-19	2019-11-19	No		2019-11-20	18.4	2019-11-26	2020-03-20	1.68	2020-03-30									
5059188	B05 02 A	B05 02 A	85	WYOMING ST	Lead	Lead	PEX	Copper	2019-11-19	2019-11-19	No		2019-11-25	ND	2020-01-14												
5045723	B07 05 B	B07 05 B	836	LILAC ST	Lead	Lead	PEX	Copper	2019-11-19	2019-11-19	No		2019-11-21	1.55	2019-12-03												
5073388	B02 01 B	B02 01 B	3330	PORTOLA ST	Lead	Copper	PEX	Not Replaced	2019-11-19		No		2019-11-27	ND	2020-01-14												
5039160	B07 05 A	B07 05 A	6368-6370	MORROWFIELD AVE	Lead	Copper	PEX	Not Replaced	2019-11-19		No		2019-11-19	9.07	2019-11-26	2020-01-28	ND	2020-02-17									
5060554	B05 02 B	B05 02 B	345	SWEETBRIAR ST	Lead	Lead	PEX	Copper	2019-11-19	2019-11-19	No		2019-11-21	22	2019-12-31	2020-02-16	ND	2020-02-24									
5046783	B07 05 B	B07 05 B	4310	TESLA ST	Lead	Lead	PEX	Copper	2019-11-19	2019-11-19	No		2019-12-16	ND	2020-01-10												
5058729	B05 02 A	B05 02 A	311	WYOMING ST	Lead	Copper	PEX	Not Replaced	2019-11-19		No		2019-11-20	1.3	2019-11-26												
5073833	B02 01 B	B02 01 B	304	KENNEDY AVE	Lead	Copper	PEX	Not Replaced	2019-11-19		No		2020-01-12	19.8	2020-01-22	2021-04-14	ND	2021-04-26									
5018500	Ops	Urgent LSLR	183	46TH ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-21	No	Emergency	2019-11-24	3.83	2019-12-03												
5058601	A02 02	CEP	219	NATCHEZ ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2019-11-22	75.6	2019-12-03												
5050111	B07 05 B	B07 05 B	3452	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2019-11-21	6.64	2019-12-03												
5039384	B07 05 A	B07 05 A	3039	SHADY AVE	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2019-11-21	1.1	2019-12-03												
5073401	B02 01 B	B02 01 B	3319	PORTOLA ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2019-11-25	46	2020-01-07	2020-02-17	ND	2020-02-24									
5060289	B05 02 B	B05 02 B	228	EDITH ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2020-01-23	ND	2020-02-11												
5060568	B05 02 B	B05 02 B	207	SWEETBRIAR ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2019-11-21	511	2020-01-07	2020-02-13	1.6	2020-02-24									
5075321	B02 01 B	B02 01 B	3440	DELAWARE ST	Lead	Lead	PEX	Copper	2019-11-20	2019-11-20	No		2020-01-23	2.52	2020-02-03												
5039347	B07 05 B	B07 05 B	4021	SALINE ST	Lead	Lead	PEX	Copper	2019-11-23	2019-11-21	No		2019-11-27	ND	2020-01-14												
5050115	B07 05 B	B07 05 B	3464	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2019-11-22	ND	2019-12-03												
5045737	B07 05 B	B07 05 B	901	LILAC ST	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2020-09-07	2.06	2020-09-21												
5039153	B07 05 A	B07 05 A	6359	BURCHFIELD AVE	Lead	Copper	PEX	Not Replaced	2019-11-21		No		2019-11-22	53.1	2019-12-03												
5046313	B07 05 B	B07 05 B	4133	BEEHNER RD	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2019-11-22	6.7	2019-12-03												
5075326	B02 01 B	B02 01 B	3462	DELAWARE ST	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2019-11-22	ND	2019-12-03												
5060296	B05 02 B	B05 02 B	207	EDITH ST	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2019-11-25	ND	2019-12-03												
5060556	B05 02 B	B05 02 B	339	SWEETBRIAR ST	Lead	Lead	PEX	Copper	2019-11-21	2019-11-21	No		2019-11-24	ND	2019-12-31												
5060291	B05 02 B	B05 02 B	224	EDITH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-22	2019-11-22	No		2019-12-11	5	2020-01-07												
5075325	B02 01 B	B02 01 B	3456	DELAWARE ST	Lead	Lead	PEX	Copper	2019-11-22	2019-11-22	No		2019-11-23	84.5	2019-12-03	2019-12-16	ND	2020-01-13									
5060302	B05 02 B	B05 02 B	221	EDITH ST	Lead	Lead	PEX	Copper	2019-11-22	2019-11-22	No		2019-11-24	5.24	2019-12-03												
5060564	B05 02 B	B05 02 B	309	SWEETBRIAR ST	Lead	Copper	PEX	Not Replaced	2019-11-22		No		2019-11-30	16	2020-01-07												
5050220	B07 05 B	B07 05 B	4	EXETER ST	Lead	Lead	PEX	Copper	2019-11-22	2019-11-22	No		2019-11-30	ND	2020-01-10												
5050138	B07 05 B	B07 05 B	4146	SALINE ST	Lead	Lead	PEX	Copper	2019-11-22	2019-11-22	No		2019-11-23	ND	2019-12-03												
5063660	CEP 02	CEP 02	308	UVILLA ST	Lead	Copper	PEX	Not Replaced	2019-11-22		No		2019-11-26	1.27	2019-12-03												
5039135	B07 05 A	B07 05 A	6300	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2019-11-23	2019-11-23	No		2019-11-23	7.09	2019-12-03												
5050226	B07 05 B	B07 05 B	14	EXETER ST	Lead	Lead	PEX	Copper	2019-11-23	2019-11-23	No		2019-11-25	4	2020-01-14												
5046839	B07 05 B	B07 05 B	4302	FRANK ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-25	2019-11-25	No		2019-11-28	ND	2020-01-10												
5039346	B07 05 B	B07 05 B	4017	SALINE ST	Lead	Lead	PEX	Copper	2019-11-25	2019-11-25	No		2019-11-26	2	2020-01-14												
5061294	B05 02 A	B05 02 A	440	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-11-25		No		2019-11-28	2	2020-01-07												
5061293	B05 02 A	B05 02 A	438	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-11-25		No		2019-11-27	ND	2020-01-07												
5060536	B05 02 B	B05 02 B	316	SWEETBRIAR ST	Lead	Lead	PEX	Copper	2019-11-25	2019-11-25	No		2019-11-26	7.17	2019-12-03												
5061415	B05 02 A	B05 02 A	443	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-11-25		No		2020-11-30	1.39	2020-12-08												
5050228	B07 05 B	B07 05 B	18	EXETER ST	Lead	Lead	PEX	Copper	2019-11-25	2019-11-25	No		2019-12-26	ND	2020-01-08												
5074105	B02 01 B	B02 01 B	235	KENNEDY AVE	Lead	Copper	PEX	Not Replaced	2019-11-25		No		2019-11-27	ND	2020-01-07												
5073407	B02 01 B	B02 01 B	3232	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-11-25	2019-11-25	No		2019-11-26	347	2019-12-03	2019-12-08	4	2020-01-10									
5061405	B05 02 A	B05 02 A	233	ALBERT ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-26	2019-11-26	No		2019-12-05	6	2020-01-10												
5049522	B07 05 B	B07 05 B	910	LILAC ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-11-26	2019-11-26	No																

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5050383	B07_05_B	B07_05_B	4316	SALINE ST	Lead	Lead	PEX	Copper	2019-12-03	2019-12-03	No		2019-12-04	2	2020-01-10												
5060305	B05_02_B	B05_02_B	229	EDITH ST	Lead	Lead	PEX	Copper	2019-12-03	2019-12-03	No		2019-12-05	18	2020-01-08												
5049885	B07_05_B	B07_05_B	760	LORETTA ST	Lead	Lead	PEX	Copper	2019-12-03	2019-12-03	No		2019-12-05	4	2020-01-10												
5060288	B05_02_B	B05_02_B	230	EDITH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-03	2019-12-03	No		2019-12-05	ND	2020-01-10												
5045739	B07_05_B	B07_05_B	861	LILAC ST	Lead	Lead	PEX	Copper	2019-12-03	2019-12-03	No		2019-12-05	2	2020-01-10												
5073742	B02_01_B	B02_01_B	402	MILROY ST	Lead	Lead	PEX	Copper	2019-12-03	2019-12-03	No		2019-12-04	ND	2020-01-10												
5066681	Ops		1004	CEDAR AVE	Lead	Copper	PEX	Not Replaced	2019-12-04		No	Emergency	2019-12-06	ND	2020-01-10												
5135149	B05_02_A	B05_02_A	518	BOGGS AVE	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2019-12-05	ND	2020-01-14												
5045729	B07_05_B	B07_05_B	852	LILAC ST	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2019-12-09	ND	2020-01-10												
5073505	B02_01_B	B02_01_B	3125	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2019-12-05	5	2020-01-10												
5050134	B07_05_B	B07_05_B	3514-3516	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2019-12-05	ND	2020-01-10												
5050305	B07_05_B	B07_05_B	794	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2019-12-06	ND	2020-01-10												
5060298	B05_02_B	B05_02_B	211	EDITH ST	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2019-12-07	2	2020-01-07												
5066089	CEP_02	CEP_02	1228	VETO ST	Copper	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2019-12-06	ND	2020-01-10												
5049554	B07_05_B	B07_05_B	966	LILAC ST	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2019-12-07	ND	2020-01-10												
5073699	B02_01_B	B02_01_B	2921	NORWOOD AVE	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2019-12-11	3	2020-01-10												
5060309	B05_02_B	B05_02_B	237	EDITH ST	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2020-01-12	5.8	2020-01-22												
5017440	CEP_02	CEP_02	4037	CABINET ST	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2020-01-23	ND	2020-02-24												
5073506	B02_01_B	B02_01_B	3121	PERRYSVILLE AVE	Lead	Copper	PEX	Not Replaced	2019-12-04		No		2020-01-23	ND	2020-02-03												
5060279	B05_02_B	B05_02_B	202	EDITH ST	Lead	Lead	PEX	Copper	2019-12-04	2019-12-04	No		2020-02-01	2.69	2020-02-17												
5060283	B05_02_B	B05_02_B	242	EDITH ST	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2020-01-31	7.24	2020-02-11												
5050274	B07_05_B	B07_05_B	731	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2019-12-09	5	2020-01-14												
5050044	B07_05_B	B07_05_B	4205	WINDSOR ST	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2019-12-07	ND	2020-01-10												
5049943	B07_05_B	B07_05_B	726	MELBOURNE ST	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2019-12-06	ND	2020-01-10												
5049847	B07_05_B	B07_05_B	4124	SALINE ST	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2020-01-06	ND	2020-01-10												
5073698	B02_01_B	B02_01_B	2927	NORWOOD AVE	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2019-12-07	8	2020-01-10												
5060110	B05_02_B	B05_02_B	312	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-05	2019-12-05	No		2020-01-21	212	2020-02-03	2020-02-02	ND	2020-02-17									
5060134	B05_02_B	B05_02_B	319-321	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-08	9	2020-01-14												
5050290	B07_05_B	B07_05_B	760	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-08	ND	2020-01-14												
5039995	B07_05_B	B07_05_B	4315	SALINE ST	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-11	ND	2020-01-10												
5073648	B02_01_B	B02_01_B	157	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-09	ND	2020-01-07												
5049916	B07_05_B	B07_05_B	787	LORETTA ST	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-10	1.21	2020-01-08												
5049828	B07_05_B	B07_05_B	3552	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-12-06		No		2019-12-11	ND	2020-01-10												
5073650	B02_01_B	B02_01_B	205	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-11	3	2020-01-10												
5050046	B07_05_B	B07_05_B	4211	WINDSOR ST	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-07	6	2020-01-07												
5060133	B05_02_B	B05_02_B	323	FINGAL ST	Lead	Copper	PEX	Not Replaced	2019-12-06		No		2019-12-07	2	2020-01-10												
5073729	B02_01_B	B02_01_B	3021	VIOLA ST	Lead	Lead	PEX	Copper	2019-12-06	2019-12-06	No		2019-12-10	25	2020-01-14	2020-03-08	ND	2020-03-16									
5073528	B02_01_B	B02_01_B	3106	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-12-09	2019-12-09	No		2020-01-13	ND	2020-01-22												
5073694	B02_01_B	B02_01_B	3001	MOUNT ALLISTER RD	Lead	Lead	PEX	Copper	2019-12-09	2019-12-09	No		2020-01-29	ND	2020-02-17												
5050139	B07_05_B	B07_05_B	3522	BEECHWOOD BLVD	Lead	Copper	PEX	Not Replaced	2019-12-10		No		2019-12-11	2	2020-01-14												
5060108	B05_02_B	B05_02_B	322	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-14	13	2020-01-10												
5046382	B07_05_B	B07_05_B	717	LORETTA ST	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-11	ND	2020-01-14												
5073644	B02_01_B	B02_01_B	141	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-11	2	2020-01-10												
5059532	B05_02_A	B05_02_A	301	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-12-10		No		2020-01-20	1.59	2020-01-29												
5060455	B05_02_B	B05_02_B	250	EDITH ST	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-11	ND	2020-01-10												
5073678	B02_01_B	B02_01_B	2932	NORWOOD AVE	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-10	6	2020-01-10												
5040001	B07_05_B	B07_05_B	4349	SALINE ST	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2020-01-10	1.39	2020-01-22												
5040000	B07_05_B	B07_05_B	4345	SALINE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-10	2019-12-10	No		2019-12-11	12	2020-01-10	2020-03-14	ND	2020-03-25									
5073952	B02_01_B	B02_01_B	307	HAWKINS AVE	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-12	5	2020-01-10												
5049760	B07_05_B	B07_05_B	4042	MURRAY AVE	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2019-12-11	2	2020-01-14												
5060485	B05_02_B	B05_02_B	249	EDITH ST	Lead	Lead	PEX	Copper	2019-12-10	2019-12-10	No		2020-05-16	ND	2020-05-27												
5055026	Ops	B06_03_B	1907	ST PAUL ST	Lead	Copper	PEX	Not Replaced	2019-12-11		No	Emergency	2019-12-18	ND	2020-01-08												
5045728	B07_05_B	B07_05_B	848	LILAC ST	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2020-03-06	1.27	2020-03-16												
5073679	B02_01_B	B02_01_B	2928	NORWOOD AVE	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-12	ND	2020-01-14												
5059092	B05_02_A	B05_02_A	216	BOGGS AVE	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-19	ND	2020-01-08												
5050381	B07_05_B	B07_05_B	4324	SALINE ST	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-13	7	2020-01-10												
5073657	B02_01_B	B02_01_B	156	MARSHALL AVE	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-12	124	2020-01-08	2020-01-14		ND	2020-01-29								
5060458	B05_02_B	B05_02_B	256	EDITH ST	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-13	28	2020-01-10												
5073481	B02_01_B	B02_01_B	3070	MARSHALL RD	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-13	ND	2020-01-10												
5060112	B05_02_B	B05_02_B	306	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-11	2019-12-11	No		2019-12-13	50	2020-01-10	2020-01-11	4.51	2020-01-22									
5060115	B05_02_B	B05_02_B	1719	GREENLEAF ST	Lead	Copper	PEX	Not Replaced	2019-12-11																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5045698	B07_05_B	B07_05_B	716	GRAPHIC ST	Lead	Lead	PEX	Copper	2019-12-16	2019-12-16	No		2019-12-19	1.88	2020-01-08												
5016840	CEP_02	CEP_02	340	45TH ST	Lead	Lead	PEX	Copper	2019-12-16	2019-12-16	No		2020-01-01	3.89	2020-01-08												
5066318	Ops		1200	BUENA VISTA ST APT A	Lead	Copper	PEX	Not Replaced	2019-12-17		No	Emergency	2020-02-28	ND	2020-03-16												
5049808	B07_05_B	B07_05_B	3581	BEECHWOOD BLVD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-17	2019-12-17	No		2020-02-04	ND	2020-02-17												
5060361	B05_02_B	B05_02_B	345	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2019-12-19	ND	2020-01-10												
5049856	B07_05_B	B07_05_B	4014	SALINE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-17	2019-12-17	No		2020-02-06	ND	2020-02-24												
5073786	B02_01_B	B02_01_B	103	MARSHALL AVE	Lead	Copper	PEX	Not Replaced	2019-12-17		No		2019-12-18	1.77	2020-01-08												
5073894	B02_01_B	B02_01_B	2718	LELAND ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-17	2019-12-17	No		2019-12-19	1	2020-01-10												
5073500	B02_01_B	B02_01_B	3115	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2020-01-19	60.5	2020-01-29	2020-02-23	28.3	2020-03-02	2020-04-05	11.4	2020-04-13	2020-09-22	8.11	2020-09-28			
5049923	B07_05_B	B07_05_B	782	MELBOURNE ST	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2019-12-19	4	2020-01-07												
5073661	B02_01_B	B02_01_B	141	OAK PARK RD	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2020-01-02	ND	2020-01-08												
5045051	B07_05_B	B07_05_B	821	FLEMINGTON ST	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2020-02-14	1.71	2020-02-24												
5073703	B02_01_B	B02_01_B	224	MARSHALL AVE	Lead	Copper	PEX	Not Replaced	2019-12-17		No		2019-12-19	ND	2020-01-10												
5049887	B07_05_B	B07_05_B	752	LORETTA ST	Lead	Lead	PEX	Copper	2019-12-17	2019-12-17	No		2019-12-20	3	2020-01-10												
5059140	B05_02_A	B05_02_A	126	BOGGS AVE	Lead	Copper	PEX	Not Replaced	2019-12-17		No		2020-01-10	1.16	2020-01-22												
5059149	B05_02_A	B05_02_A	151	BOGGS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-18	2019-12-18	No		2019-12-20	ND	2020-01-08												
5050300	B07_05_B	B07_05_B	782	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2019-12-19	ND	2020-01-08												
5060350	B05_02_B	B05_02_B	356	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2020-02-04	4.99	2020-02-17												
5059096	B05_02_A	B05_02_A	206	BOGGS AVE	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2019-12-20	4	2020-01-10												
5060843	B05_02_B	B05_02_B	441	SWEETBRIAR ST	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2019-12-25	ND	2020-01-08												
5045055	B07_05_B	B07_05_B	813	FLEMINGTON ST	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2019-12-23	ND	2020-01-10												
5073773	B02_01_B	B02_01_B	41	E MARSHALL AVE	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2019-12-19	188	2020-01-10	2020-01-23	10.5	2020-02-03	2020-04-06	14.1	2020-04-13	2020-10-06	2.99	2020-10-12			
5049897	B07_05_B	B07_05_B	721	LORETTA ST	Lead	Lead	PEX	Copper	2019-12-18	2019-12-18	No		2020-02-03	1.45	2020-02-11												
5060831	B05_02_B	B05_02_B	409	SWEETBRIAR ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-18	2019-12-18	No		2020-02-07	4.33	2020-02-17												
5049852	B07_05_B	B07_05_B	4106	SALINE ST	Lead	Lead	PEX	Copper	2019-12-19	2019-12-19	No		2019-12-23	4.5	2020-01-08												
5073482	B02_01_B	B02_01_B	3076	MARSHALL RD	Lead	Lead	PEX	Copper	2019-12-19	2019-12-19	No		2020-01-14	ND	2020-01-29												
5060286	B05_02_B	B05_02_B	234	EDITH ST	Lead	Lead	PEX	Copper	2019-12-19	2019-12-19	No		2019-12-20	6	2020-01-10												
5045049	B07_05_B	B07_05_B	831	FLEMINGTON ST	Lead	Lead	PEX	Copper	2019-12-19	2019-12-19	No		2020-02-14	31.9	2020-03-09	2020-04-07	8.62	2020-04-13									
5073775	B02_01_B	B02_01_B	2916	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2019-12-19	2019-12-19	No		2020-01-31	1.74	2020-03-02												
5060854	B05_02_B	B05_02_B	266	PLYMOUTH ST	Lead	Copper	PEX	Not Replaced	2019-12-19		No		2019-12-20	ND	2020-01-10												
5046805	B07_05_B	B07_05_B	616	LORETTA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-19	2019-12-19	No		2019-12-20	202	2020-01-08	2019-12-21	ND	2020-01-10									
5045053	B07_05_B	B07_05_B	817	FLEMINGTON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2019-12-20	2019-12-20	No		2020-05-04	1.07	2020-05-11												
5050277	B07_05_B	B07_05_B	725	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2019-12-20	2019-12-20	No		2019-12-21	3.85	2020-01-08												
5073483	B02_01_B	B02_01_B	3080	MARSHALL RD	Lead	Lead	PEX	Copper	2019-12-20	2019-12-20	No		2020-09-24	ND	2020-10-05												
5060366	B05_02_B	B05_02_B	369	FINGAL ST	Lead	Lead	PEX	Copper	2019-12-20	2019-12-20	No		2019-12-21	4	2020-01-10												
5050149	B07_05_B	B07_05_B	4220-4222	SALINE ST	Lead	Lead	PEX	Copper	2019-12-20	2019-12-20	No		2019-12-23	ND	2020-01-10												
5046808	B07_05_B	B07_05_B	628	LORETTA ST	Lead																						

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5064175	Ops	Urgent LSLR	1421	W NORTH AVE	Lead	Lead	PEX	Copper			No	Emergency	2021-01-16	ND	2021-01-25												
5050271	B07_05_B	B07_05_B	739	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2020-01-07	2020-01-07	No		2020-01-08	1.14	2020-01-29												
5074028	B02_01_B	B02_01_B	2656	VETERAN ST	Lead	Lead	PEX	Copper	2020-01-07	2020-01-07	No		2020-02-20	ND	2020-03-02												
5055048	B06_03_B	B06_03_B	1926	HURON ST	Lead	Copper	PEX	Not Replaced	2020-01-07		No		2020-01-07	ND	2020-01-22												
5074079	B02_01_B	B02_01_B	2809	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2020-01-07	2020-01-07	No		2020-01-08	7	2020-01-10												
5073781	B02_01_B	B02_01_B	2846	PERRYSVILLE AVE	Lead	Lead	PEX	Copper	2020-01-07	2020-01-07	No		2020-01-09	23.2	2020-01-22												
5060864	B05_02_B	B05_02_B	242	PLYMOUTH ST	Lead	Lead	PEX	Copper	2020-01-08	2020-01-08	No		2020-01-10	3.13	2020-01-22												
5061015	B05_02_B	B05_02_B	219	HALLOCK ST	Lead	Lead	PEX	Copper	2020-01-08	2020-01-08	No		2020-01-27	ND	2020-02-03												
5060227	B05_02_B	B05_02_B	261	SEWARD ST	Lead	Lead	PEX	Copper	2020-01-08	2020-01-08	No		2020-01-10	ND	2020-01-29												
5055044	B06_03_B	B06_03_B	1934	HURON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-08	2020-01-08	No		2020-01-12	7.97	2020-01-22												
5045715	B07_05_B	B07_05_B	816	LILAC ST	Lead	Lead	PEX	Copper	2020-01-08	2020-01-08	No		2020-01-09	ND	2020-02-03												
5076352	B13_01_A	B13_01_A	2711	PITLER ST	Lead	Copper	PEX	Not Replaced	2020-01-08		No		2020-01-09	14.5	2020-01-22	2020-04-10	3.65	2020-04-20	2020-04-10	3.65	2020-04-20						
5049992	B07_05_B	B07_05_B	998	GREENFIELD AVE	Lead	Copper	PEX	Not Replaced	2020-01-08		No		2020-02-27	1.4	2020-03-02												
5060583	B05_02_B	B05_02_B	211	PLYMOUTH ST	Lead	Lead	PEX	Copper	2020-01-08	2020-01-08	No		2020-01-09	1.01	2020-01-22												
5055459	B06_03_B	B06_03_B	2603	S 18TH STREET EXT	Lead	Copper	PEX	Not Replaced	2020-01-09		No		2020-01-13	4.42	2020-01-22												
5076872	B13_01_A	B13_01_A	1307	SUPERIOR AVE	Lead	Lead	PEX	Copper	2020-01-09	2020-01-09	No		2020-02-26	7.88	2020-03-09												
5060089	B05_02_B	B05_02_B	1814	GREENLEAF ST	Lead	Lead	PEX	Copper	2020-01-09	2020-01-09	No		2020-02-26	ND	2020-03-02												
5049553	B07_05_B	B07_05_B	964	LILAC ST	Lead	Lead	PEX	Copper	2020-01-09	2020-01-09	No		2020-01-10	ND	2020-01-29												
5073769	B02_01_B	B02_01_B	23	E MARSHALL AVE	Lead	Lead	PEX	Copper	2020-01-09	2020-01-09	No		2020-01-12	6.24	2020-02-03												
5060488	B05_02_B	B05_02_B	240	AUGUSTA ST	Lead	Lead	PEX	Copper	2020-01-09	2020-01-09	No		2020-02-27	ND	2020-03-09												
5045043	B07_05_B	B07_05_B	847	FLEMINGTON ST	Lead	Lead Tailpiece	Copper	Copper Tailpiece	2020-01-10	2020-01-10	No		2020-01-13	ND	2020-02-03	2020-02-04	ND	2020-02-24									
5045716	B07_05_B	B07_05_B	818	LILAC ST	Lead	Copper	PEX	Not Replaced	2020-01-10		No		2020-03-02	ND	2020-03-09												
5050049	B07_05_B	B07_05_B	4221	WINDSOR ST	Lead	Lead	PEX	Copper	2020-01-10	2020-01-10	No		2020-01-10	2.28	2020-01-22												
5055509	B06_03_B	B06_03_B	1041	MOUNT OLIVER ST	Lead	Copper	PEX	Not Replaced	2020-01-10		No		2020-03-02	ND	2020-03-09												
5055406	B06_03_B	B06_03_B	1015	MOUNT OLIVER ST	Lead	Copper	PEX	Not Replaced	2020-01-10		No		2020-01-11	ND	2020-01-22												
5078493	B13_01_A	B13_01_A	3245	BAINTON ST	Lead	Copper	PEX	Not Replaced	2020-01-13		No		2020-01-14	186	2020-01-22	2020-03-05	3.3	2020-03-09									
5060207	B05_02_B	B05_02_B	240	SEWARD ST	Lead	Lead	PEX	Copper	2020-01-13	2020-01-13	No		2020-01-14	1.08	2020-01-22												
5077089	B13_01_A	B13_01_A	1521	SUPERIOR AVE	Lead	Copper	PEX	Not Replaced	2020-01-13		No		2020-01-16	2.42	2020-01-29												
5060584	B05_02_B	B05_02_B	209	PLYMOUTH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-13	2020-01-13	No		2020-01-13	5.31	2020-01-22												
5018788	CEP_02	CEP_02	4711	KINCAID ST	Lead	Lead	PEX	Copper	2020-01-13	2020-01-13	No		2020-01-17	1.45	2020-02-03												
5059688	B05_02_B	B05_02_B	411	ONEIDA ST	Lead	Lead	PEX	Copper	2020-01-13	2020-01-13	No		2020-01-20	8.74	2020-01-29												
5059697	B05_02_B	B05_02_B	455	ONEIDA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-14	2020-01-14	No		2020-01-15	ND	2020-01-22												
5060201	B05_02_B	B05_02_B	258	SEWARD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-14	2020-01-14	No		2020-02-05	4.45	2020-02-17												
5055512	B06_03_B	B06_03_B	1047	MOUNT OLIVER ST	Lead	Lead	PEX	Copper	2020-01-14	2020-01-14	No		2020-01-15	ND	2020-01-29												
5059714	B05_02_B	B05_02_B	420	ONEIDA ST	Lead	Lead	PEX	Copper	2020-01-14	2020-01-14	No		2020-01-16	4.14	2020-01-29												
5050045	B07_05_B	B07_05_B	4207	WINDSOR ST	Lead	Lead	PEX	Copper	2020-01-14	2020-01-14	No		2020-01-22	ND	2020-02-03												
5055508	B06_03_B	B06_03_B	2730	S 18TH STREET EXT	Lead	Copper	PEX	Not Replaced	2020-01-14		No		2020-01-14	ND	2020-01-29												
5060874	B05_02_B	B05_02_B	217</																								

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5055200	B06_03_B	B06_03_B	1029	E WARRINGTON AVE	Lead	Lead	PEX	Copper	2020-01-23	2020-01-23	No		2020-02-26	ND	2020-03-02												
5004580	B14_03_B	B14_03_B	3438	DAWSON ST	Lead	Copper	PEX	Not Replaced	2020-01-23		No		2020-01-24	9.38	2020-02-03												
5003734	B14_03_A	B14_03_A	335	COLTART AVE	Lead	Copper	PEX	Not Replaced	2020-01-23		No		2020-01-26	ND	2020-02-03												
5060606	B05_02_B	B05_02_B	182	ONEIDA ST	Lead	Lead	PEX	Copper	2020-01-23	2020-01-23	No		2020-01-26	11.6	2020-02-03	2020-04-24	1.71	2020-05-04									
5060918	B05_02_B	B05_02_B	305	ONEIDA ST	Lead Tailpiece	Lead	Copper Tailpiece	Copper	2020-01-23	2020-01-23	No		2020-01-24	ND	2020-02-03												
5047310	Ops	Urgent LSLR	35	PRESCOTT ST	Lead	Lead	PEX	Copper	2020-01-25	2020-01-31	No	Emergency	2020-02-01	ND	2020-02-17												
5055088	B06_03_B	B06_03_B	58	ROSCOE ST	Lead	Copper	PEX	Not Replaced	2020-01-27		No		2020-01-28	1.59	2020-02-17												
5060898	B05_02_B	B05_02_B	312	ONEIDA ST	Lead Tailpiece	Lead	Copper Tailpiece	Copper	2020-01-27	2020-01-27	No		2020-01-30	ND	2020-02-11												
5076981	B13_01_B	B13_01_B	2617	STAYTON ST	Lead	Copper	PEX	Not Replaced	2020-01-27		No		2020-03-29	ND	2020-04-06												
5055417	B06_03_B	B06_03_B	2666	S 18TH STREET EXT	Lead	Lead	PEX	Copper	2020-01-27	2020-01-28	No		2020-01-29	ND	2020-02-03												
5003743	B14_03_A	B14_03_A	353	COLTART AVE	Lead	Lead	PEX	Copper	2020-01-27	2020-01-27	No		2020-01-28	7.58	2020-02-03												
5078655	B13_01_A	B13_01_A	1372	OAKHILL ST	Lead	Copper	Copper	Not Replaced	2020-01-27		No		2020-01-28	14.5	2020-02-03	2020-10-26	ND	2020-11-16									
5078654	B13_01_A	B13_01_A	1368	OAKHILL ST	Lead	Copper	PEX	Not Replaced	2020-01-27		No		2020-01-28	5.04	2020-02-03												
5060716	B05_02_B	B05_02_B	174	ONEIDA ST	Lead	Lead	PEX	Copper	2020-01-27	2020-01-27	No		2020-01-29	1.97	2020-02-03												
5006095	CEP_02	CEP_02	639	KIRKPATRICK ST	Lead	Lead	PEX	Copper	2020-01-27	2020-01-27	No		2020-07-26	1.5	2020-08-05												
5059838	B05_02_B	B05_02_B	460	HALLOCK ST	Lead	Lead	PEX	Copper	2020-01-27	2020-01-27	No		2020-02-22	ND	2020-03-02												
5055237	B06_03_B	B06_03_B	1103	ST MARTIN ST	Lead	Lead	PEX	Copper	2020-01-27	2020-01-27	No		2020-03-02	ND	2020-03-09												
5060905	B05_02_B	B05_02_B	240	ONEIDA ST	Lead Tailpiece	Lead	Copper Tailpiece	Copper	2020-01-28	2020-01-28	No		2020-03-06	ND	2020-03-16												
5060919	B05_02_B	B05_02_B	311	ONEIDA ST	Lead Tailpiece	Lead	Copper Tailpiece	Copper	2020-01-28	2020-01-28	No		2020-02-15	ND	2020-02-24												
5076964	B13_01_B	B13_01_B	1230	THELMA ST	Lead	Lead	PEX	Copper	2020-01-28	2020-01-28	No		2020-01-28	8.88	2020-02-03												
5059762	B05_02_B	B05_02_B	1106	VIRGINIA AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-28	2020-01-28	No		2020-01-29	ND	2020-02-11												
5078442	B13_01_A	B13_01_A	1341	WOODS RUN AVE	Lead	Copper	PEX	Not Replaced	2020-01-28		No		2020-01-28	ND	2020-02-03												
5003659	B14_03_A	B14_03_A	318	COLTART AVE	Lead	Lead	PEX	Copper	2020-01-28	2020-01-28	No		2020-02-05	4.04	2020-02-24												
5077062	B13_01_B	B13_01_B	2635	BRIGHTON RD	Lead	Lead	PEX	Copper	2020-01-28	2020-01-28	No		2020-01-30	36.5	2020-02-03	2020-04-23	ND	2020-04-27									
5059761	B05_02_B	B05_02_B	1108	VIRGINIA AVE	Lead	Copper	PEX	Not Replaced	2020-01-28		No		2020-01-29	1.01	2020-02-03												
5060928	B05_02_B	B05_02_B	237	ONEIDA ST	Lead Tailpiece	Lead	Copper Tailpiece	Copper	2020-01-29	2020-01-29	No		2020-01-29	3.88	2020-02-03												
5079142	B13_01_B	B13_01_B	1221	COURTRIGHT ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-01-29	2020-01-29	No		2020-02-10	ND	2020-02-17												
5077045	B13_01_B	B13_01_B	2624	STAYTON ST	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-01-30	2.87	2020-02-11												
5004058	B14_03_B	B14_03_B	3619	PARKVIEW AVE	Lead	Copper	PEX	Not Replaced	2020-01-29		No		2020-02-12	10	2020-02-24												
5004059	B14_03_B	B14_03_B	3617	PARKVIEW AVE	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-02-01	2.86	2020-02-11												
5005149	CEP_02	CEP_02	3718	ORPWOOD ST	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-01-29	7.04	2020-02-03												
5055241	B06_03_B	B06_03_B	1117	ST MARTIN ST	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-02-05	3.78	2020-03-02												
5076486	B13_01_A	B13_01_A	1313	OAKHILL ST	Lead	Copper	PEX	Not Replaced	2020-01-29		No		2020-01-29	2.66	2020-02-11												
5060435	B05_02_B	B05_02_B	313	CLARENCE ST	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-01-30	2.84	2020-02-11												
5003655	B14_03_A	B14_03_A	306	COLTART AVE	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-03-19	ND	2020-03-25												
5004491	B14_03_B	B14_03_B	3427	WARD ST	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-03-18	5.23	2020-03-25												
5059758	B05_02_B	B05_02_B	1114	VIRGINIA AVE	Lead	Lead	PEX	Copper	2020-01-29	2020-01-29	No		2020-02-03	1.99	2020-02-17												
5076990	B13_01_B	B13_0																									

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5003999	B14_03_B	B14_03_B	412	ATWOOD ST	Lead	Lead	PEX	Copper	2020-02-06	2020-02-06	No			2020-02-08	1.55	2020-02-17											
5076922	B13_01_B	B13_01_B	1242	WOODLAND AVE	Lead	Lead	PEX	Copper	2020-02-06	2020-02-06	No		2020-02-10	409	2020-02-24	2020-03-19	ND	2020-03-30									
5059748	B05_02_B	B05_02_B	312	MERIDAN ST	Lead	Lead	PEX	Copper	2020-02-06	2020-02-06	No		2020-02-12	16.2	2020-02-17	2020-05-06	ND	2020-05-11									
5055428	B06_03_B	B06_03_B	216	WACHTER ST	Lead	Copper	PEX	Not Replaced	2020-02-06	2020-02-06	No		2020-02-07	ND	2020-02-17												
5076607	B13_01_B	B13_01_B	2921	BREKER ST	Lead	Lead	PEX	Copper	2020-02-06	2020-02-06	No		2020-02-10	1.44	2020-02-17												
5060691	B05_02_B	B05_02_B	131	COHASSET ST	Lead	Lead	PEX	Copper	2020-02-06	2020-02-06	No		2020-02-07	ND	2020-02-17												
5059670	B05_02_B	B05_02_B	1318	VIRGINIA AVE	Lead	Lead	PEX	Copper	2020-02-07	2020-02-07	No		2020-02-10	4.45	2020-02-24												
5003673	B14_03_A	B14_03_A	255	HALKET PL	Lead	Lead	PEX	Copper	2020-02-08	2020-02-08	No		2020-02-09	2.79	2020-03-02												
5059668	B05_02_B	B05_02_B	1322	VIRGINIA AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-02-10	2020-02-10	No		2020-02-16	8.17	2020-02-24												
5078488	B13_01_A	B13_01_A	3261	BAINTON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-02-10	2020-02-10	No		2020-04-06	ND	2020-04-20												
5003340	B14_03_A	B14_03_A	342	ATWOOD ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-14	1.38	2020-02-24												
5076637	B13_01_B	B13_01_B	3003	WADLOW ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-14	ND	2020-02-24												
5076939	B13_01_B	B13_01_B	1247	DICKSON ST	Lead	Copper	PEX	Not Replaced	2020-02-10	2020-02-10	No		2020-02-13	4.1	2020-02-24												
5061894	B05_02_B	B05_02_B	546	HALLOCK ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-13	ND	2020-02-24												
5060544	B05_02_B	B05_02_B	1518	WELL ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-11	2.13	2020-02-17												
5060696	B05_02_B	B05_02_B	136	COHASSET ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-10	4.22	2020-02-24												
5060543	B05_02_B	B05_02_B	1520	WELL ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-12	2.18	2020-02-24												
5079506	B13_01_B	B13_01_B	3025	WADLOW ST	Lead	Lead	PEX	Copper	2020-02-10	2020-02-10	No		2020-02-12	ND	2020-02-17												
5003367	B14_03_A	B14_03_A	254	ATWOOD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-02-11	2020-02-11	No		2020-02-12	ND	2020-02-24												
5076612	B13_01_B	B13_01_B	2901	BREKER ST	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-15	1.28	2020-02-24												
5076624	B13_01_B	B13_01_B	2822	BREKER ST	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-12	2.86	2020-02-17												
5003366	B14_03_A	B14_03_A	258	ATWOOD ST	Lead	Copper	PEX	Not Replaced	2020-02-11	2020-02-11	No		2020-02-12	ND	2020-02-24												
5076707	B13_01_B	B13_01_B	1124	WOODLAND AVE	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-10-27	ND	2020-11-09												
5076611	B13_01_B	B13_01_B	2903	BREKER ST	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-03-30	ND	2020-04-13												
5004053	B14_03_B	B14_03_B	7	OAKLAND SQ	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-02-11	2020-02-11	No		2020-02-24	ND	2020-03-02												
5003746	B14_03_A	B14_03_A	367	COLTART AVE	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-12	6.72	2020-02-24												
5003369	B14_03_A	B14_03_A	250	ATWOOD ST	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-13	2.3	2020-02-24												
5059673	B05_02_B	B05_02_B	1312	VIRGINIA AVE	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-24	3.54	2020-03-02												
5060692	B05_02_B	B05_02_B	146	COHASSET ST	Lead	Lead	PEX	Copper	2020-02-11	2020-02-11	No		2020-02-19	2.27	2020-02-24												
5061882	B05_02_B	B05_02_B	529	MERIDAN ST	Lead	Copper	PEX	Not Replaced	2020-02-11	2020-02-11	No		2020-02-13	ND	2020-02-24												
5076656	B13_01_B	B13_01_B	1214	DICKSON ST	Lead	Lead	PEX	Copper	2020-02-12	2020-02-12	No		2020-02-13	5.48	2020-02-24												
5004086	B14_03_B	B14_03_B	16	OAKLAND SQ	Lead	Lead	PEX	Copper	2020-02-12	2020-02-12	No		2020-03-02	1.67	2020-03-09												
5077047	B13_01_B	B13_01_B	1137	WOODLAND AVE	Lead	Lead	PEX	Copper	2020-02-12	2020-02-12	No		2020-02-13	1.27	2020-02-24												
5076627	B13_01_B	B13_01_B	2900	BREKER ST	Lead	Lead	PEX	Copper	2020-02-12	2020-02-12	No		2020-02-13	1.54	2020-02-24												
5079509	B13_01_B	B13_01_B	3011	WADLOW ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-02-12	2020-02-12	No		2020-02-13	1.18	2020-02-24												
5060419	B05_02_B	B05_02_B	344	CLARENCE ST	Lead	Lead	PEX	Copper	2020-02-12	2020-02-12	No		2020-03-04	ND	2020-03-09												
5060970	B05_02_B	B05_02_B	305	MERIDAN ST	Lead	Copper	PEX	Not Replaced	2020-02-12	2020-02-12	No		2020-02-18	1.24	2020-03-09												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5019894	B20_07	B20_07	5206	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-10	ND	2020-03-16												
5002886	B18_06	B18_06	212	DUNSEITH ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-12	2.36	2020-03-16												
5004382	B14_03_B	B14_03_B	3613	BLVD OF THE ALLIES	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-11	1.11	2020-03-25												
5073283	B15_01_B	B15_01_B	1925	BADER ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-10	5.93	2020-03-16												
5068893	B15_01_A	B15_01_A	1154	ADMIRAL ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-10	ND	2020-03-16												
5004492	B14_03_B	B14_03_B	3429	WARD ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-10	ND	2020-03-16												
5073290	B15_01_B	B15_01_B	1924	BADER ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-09	No		2020-03-10	9.24	2020-03-25												
5008821	B17_07_A	B17_07_A	166	37TH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-03-09	2020-03-09	No		2020-03-12	ND	2020-03-25												
5056204	Urgent LSLR	Urgent LSLR	219	KATHLEEN ST	Lead	Lead	PEX	Copper	2020-03-09	2020-03-11	No	Emergency	2020-03-13	ND	2020-03-25												
5079303	B13_01_C	B13_01_C	924	ROTHPLETZ ST	Lead	Copper	PEX	Not Replaced	2020-03-09		No		2020-03-10	17.6	2020-03-16												
5008992	B17_07_A	B17_07_A	187	38TH ST	Lead	Copper	PEX	Not Replaced	2020-03-10		No		2020-03-11	ND	2020-03-16												
5009038	B17_07_A	B17_07_A	3623	CHARLOTTE ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-13	ND	2020-03-25												
5002820	B18_06	B18_06	230	ROBINSON ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-11	1.97	2020-03-25												
5003897	B14_03_B	B14_03_B	402	SEMPLE ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-12	ND	2020-03-30												
5068551	B15_01_A	B15_01_A	1189	SERENE ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-11	3.28	2020-03-16												
5009053	B17_07_A	B17_07_A	186	38TH ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-13	11.3	2020-03-25												
5003142	B18_06	B18_06	3147	TERRACE ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-12	1.15	2020-03-25												
5003821	B14_03_A	B14_03_A	355	SEMPLE ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-12	ND	2020-03-25												
5008825	B17_07_A	B17_07_A	3620	SMALLMAN ST	Lead	Lead	PEX	Copper	2020-03-10	2020-03-10	No		2020-03-11	ND	2020-03-16												
5009306	B17_07_A	B17_07_A	3500	PENN AVE	Lead	Copper	PEX	Not Replaced	2020-03-10		No		2020-03-12	1.16	2020-03-25												
5019804	B20_07	B20_07	5219	CARNEGIE ST	Lead	Copper	PEX	Not Replaced	2020-03-11		No		2020-03-12	6.35	2020-03-25												
5067588	B15_01_A	B15_01_A	30	ROSTOCK ST	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-12	3.51	2020-03-16												
5003783	B14_03_A	B14_03_A	354	SEMPLE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-03-11	2020-03-11	No		2020-03-16	ND	2020-03-25												
5002818	B18_06	B18_06	234	ROBINSON ST	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-25	ND	2020-04-13												
5068895	B15_01_A	B15_01_A	1150	ADMIRAL ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-03-11	2020-03-11	No		2020-03-13	ND	2020-03-25												
5008840	B17_07_A	B17_07_A	3540	CHARLOTTE ST	Lead	Copper	PEX	Not Replaced	2020-03-11		No		2020-03-12	ND	2020-04-27												
5068552	B15_01_A	B15_01_A	1187	SERENE ST	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-16	1.58	2020-03-25												
5009031	B17_07_A	B17_07_A	3723	CHARLOTTE ST	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-12	9.98	2020-03-25												
5009032	B17_07_A	B17_07_A	3721	CHARLOTTE ST	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-14	ND	2020-03-25												
5008841	B17_07_A	B17_07_A	3538	CHARLOTTE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-03-11	2020-03-11	No		2020-03-12	ND	2020-05-27												
5068077	B15_01_A	B15_01_A	901	HASLAGE AVE	Lead	Lead	PEX	Copper	2020-03-11	2020-03-11	No		2020-03-12	21	2020-03-25	2020-06-24	1.19	2020-07-06	2020-06-24	1.19	2020-07-06						
5009277	B17_07_A	B17_07_A	3613	PENN AVE	Lead	Copper	PEX	Not Replaced	2020-03-11		No		2020-03-28	ND	2020-04-13												
5019797	B20_07	B20_07	5207	CARNEGIE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-03-12	2020-03-12	No		2020-05-02	ND	2020-05-11												
5068556	B15_01_A	B15_01_A	1813	BADER ST	Lead	Copper	PEX	Not Replaced	2020-03-12		No		2020-03-13	5.64	2020-03-25												
5073163	B15_01_A	B15_01_A	147	OVERBECK ST	Lead	Lead	PEX	Copper	2020-03-12	2020-03-12	No		2020-03-13	1.18	2020-03-25												
5068528	B15_01_B	B15_01_B	1901	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2020-03-12	2020-03-12	No		2020-03-14	7.14	2020-03-30												
5009710	B17_07_B	B17_07_B	3900	HOWLEY ST	Lead	Lead	PEX	Copper	2020-03-12	2020-03-12	No		2020-03-15	18.9	2020-03-25	2020-06-23	ND	2020-06-29									
5004385	B14_03_B																										

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5013201	CEP 02	CEP 02	115	MOREWOOD AVE	Lead	Lead	PEX	Copper	2020-05-21	2020-05-21	No		2020-05-23	5.81	2020-06-15												
5003120	B18 06	B18 06	142	ROBINSON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-05-21	2020-05-21	No		2020-05-23	1.18	2020-06-01												
5020306	B20 07	B20 07	5123	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-05-21	2020-05-21	No		2020-05-22	4.05	2020-06-01												
5073106	B15 01 B	B15 01 B	2112	HARBOR ST	Lead	Lead	PEX	Copper	2020-05-21	2020-05-21	No		2020-05-28	1.73	2020-06-08												
5009660	B17 07 B	B17 07 B	3911-3913	HOWLEY ST	Lead	Lead	PEX	Copper	2020-05-21	2020-05-21	No		2020-05-22	5.56	2020-06-01												
5045254	Urgent Water	Urgent Water	3861	ALEXIS ST	Lead	Lead Tailpiece	PEX	Copper	2020-05-22	2020-05-22	No	Emergency	2020-07-07	3.63	2020-07-20												
5073101	B15 01 B	B15 01 B	2136	HARBOR ST	Lead	Lead	PEX	Copper	2020-05-26	2020-05-26	No		2020-05-28	81.9	2020-06-08	2020-06-12	2.48	2020-06-22									
5020374	B20 07	B20 07	5150	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-05-26	2020-05-26	No		2020-05-27	5.96	2020-06-08												
5004480	B14 03 B	B14 03 B	3405	WARD ST	Lead	Lead	PEX	Copper	2020-05-26	2020-05-26	No		2020-05-30	1.24	2020-06-08												
5027431	Urgent LSLR	Urgent LSLR	418	BORLAND ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-05-26	2020-05-26	No	Emergency	2020-06-23	ND	2020-06-29												
5009015	B17 07 A	B17 07 A	162	39TH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-05-26	2020-05-26	No		2020-05-28	2.56	2020-06-08												
5009654	B17 07 B	B17 07 B	3923	HOWLEY ST	Lead	Lead	PEX	Copper	2020-05-26	2020-05-26	No		2020-05-27	1.49	2020-06-08												
5020314	B20 07	B20 07	5137	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-05-27	2020-05-27	No		2020-09-16	1.15	2020-09-21												
5073053	B15 01 B	B15 01 B	2210	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2020-05-28	2020-05-28	No		2020-05-29	5.81	2020-06-08												
5020576	B20 07	B20 07	5191	STANTON AVE	Lead	Lead	Copper	Copper	2020-05-28	2020-05-28	No		2020-05-28	ND	2020-06-08												
5133682	B15 01 B	B15 01 B	2231	HARBOR ST	Lead	Lead	PEX	Copper	2020-05-28	2020-05-28	No		2020-06-04	1.97	2020-06-15												
5020309	B20 07	B20 07	5129	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-05-28	2020-05-28	No		2020-05-29	ND	2020-06-08	2020-06-01	ND	2020-06-08									
5009599	B17 07 B	B17 07 B	3810	MINTWOOD ST	Lead	Copper	PEX	Not Replaced	2020-05-28	2020-05-28	No		2020-06-02	11.8	2020-06-08	2021-01-26	1.04	2021-02-09									
5073073	B15 01 B	B15 01 B	2100	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2020-05-29	2020-05-29	No		2020-09-26	4.61	2020-10-05												
5009211	B17 07 A	B17 07 A	300	39TH ST FRNT	Lead	Lead	PEX	Copper	2020-05-29	2020-05-29	No		2020-06-03	ND	2020-06-15												
5002889	B18 06	B18 06	3221	TERRACE ST	Lead	Lead	PEX	Copper	2020-05-29	2020-05-29	No		2020-05-29	1.03	2020-06-08												
5009213	B17 07 A	B17 07 A	296	39TH ST	Lead	Lead	PEX	Copper	2020-05-29	2020-05-29	No		2020-05-31	2.14	2020-06-08												
5073158	B15 01 A	B15 01 A	1030	BUENTE ST	Lead	Copper	PEX	Not Replaced	2020-06-01	2020-06-01	No		2020-06-02	10.1	2020-06-15	2020-09-08	ND	2020-09-21									
5002808	B18 06	B18 06	254	ROBINSON ST	Lead	Lead	PEX	Copper	2020-06-01	2020-06-01	No		2020-11-01	ND	2020-11-16												
5073046	B15 01 B	B15 01 B	2125	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2020-06-01	2020-06-01	No		2020-06-03	8.4	2020-06-15												
5019913	B20 07	B20 07	5203	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-06-01	2020-06-01	No		2020-06-03	1.03	2020-06-15												
5009499	B17 07 B	B17 07 B	296 1/2	38TH ST	Lead	Copper	PEX	Not Replaced	2020-06-01	2020-06-01	No		2020-06-01	ND	2020-06-15												
5020206	B20 07	B20 07	5120	STANTON AVE	Lead	Lead	PEX	Copper	2020-06-02	2020-06-02	No		2020-06-04	2.65	2020-06-15												
5073065	B15 01 B	B15 01 B	2120	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2020-06-02	2020-06-02	No		2020-06-03	7.88	2020-06-15												
5072995	B15 01 B	B15 01 B	2215	LAPPE LN	Lead	Lead	PEX	Copper	2020-06-02	2020-06-02	No		2020-06-08	3.55	2020-06-15												
5009630	B17 07 B	B17 07 B	3932	MINTWOOD ST	Lead	Copper	PEX	Not Replaced	2020-06-02	2020-06-02	No		2020-06-04	ND	2020-06-15												
5009002	B17 07 A	B17 07 A	186	39TH ST	Lead	Lead	PEX	Copper	2020-06-02	2020-06-02	No		2020-06-10	ND	2020-06-15												
5009101	B17 07 A	B17 07 A	233	37TH ST	Lead	Lead	PEX	Copper	2020-06-03	2020-06-03	No		2020-06-07	ND	2020-06-15												
5020047	B20 07	B20 07	5232	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-06-03	2020-06-03	No		2020-06-04	ND	2020-06-29												
5009750	B17 07 B	B17 07 B	3919	LIBERTY AVE	Lead	Lead	PEX	Copper	2020-06-03	2020-06-03	No		2020-06-06	1.6	2020-06-15												
5072923	B15 01 B	B15 01 B	935	S SIDE AVE	Lead	Lead	PEX	Copper	2020-06-03	2020-06-03	No		2020-06-04	10.1	2020-06-15	2020-09-11	71.7	2020-09-21	2020-09-23	23.6	2020-10-05	2021-03-16	41.2	2021-03-22	2021-11-15	ND	2021-11-22
5024857	Ops	Urgent LSLR	5537	BRYANT ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No	Emergency	2020-06-07	2.31	2020-06-15												
5040613	Ops	Urgent LSLR	216	HASTINGS ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-18	No	Emergency	2020-06-21	ND	2020-06-29												
5020048	B20 07	B20 07	5230	KEYSTONE ST	Lead	Copper	PEX	Not Replaced	2020-06-04	2020-06-04	No		2020-06-05	2.66	2020-06-15												
5009690	B17 07 B	B17 07 B	3808	HOWLEY ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-05	ND	2020-06-15												
5009748	B17 07 B	B17 07 B	3923	LIBERTY AVE	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-08	ND	2020-06-15												
5072804	B15 01 B	B15 01 B	1132	FABYAN ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-05	1.63	2020-06-15												
5009709	B17 07 B	B17 07 B	349	39TH ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-05	9.11	2020-06-15												
5072834	B15 01 B	B15 01 B	1138	SOUTH SIDE AVE	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-06	ND	2020-06-15												
5073074	B15 01 B	B15 01 B	1412	HETZEL ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-06	43	2020-06-15	2020-09-15	1.05	2020-09-21									
5068764	B15 01 A	B15 01 A	1713	HUNNELL ST	Lead	Lead	PEX	Copper	2020-06-04	2020-06-04	No		2020-06-08	294	2020-06-15	2020-06-19	8.15	2020-06-29									
5005202	CEP 02	CEP 02	3740	CHILDS ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-06-05	2020-06-05	No		2020-07-27	3.62	2020-08-05												
5024862	Ops	Urgent LSLR	5521	BRYANT ST	Lead	Lead	PEX	Copper	2020-06-05	2020-06-17	No	Emergency	2020-06-18	1.97	2020-06-22												
5072821	B15 01 B	B15 01 B	1006	SOUTH SIDE AVE	Lead	Lead	PEX	Copper	2020-06-05	2020-06-05	No		2020-06-24	16.5	2020-07-06												
5002344	B18 06	B18 06	3114	TERRACE ST	Lead	Lead	PEX	Copper	2020-06-05	2020-06-05	No		2020-06-07	2.3	2020-06-15												
5069498	Ops	Urgent LSLR	1912	LOWRIE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-06-06	2020-06-09	No	Emergency	2020-08-19	ND	2020-09-09												
5067713	B15 01 A	B15 01 A	1166	ITEN ST	Lead	Lead	PEX	Copper	2020-06-07	2020-06-07	No		2020-08-16	1.74	2020-08-24												
5067794	B15 01 A	B15 01 A	1227	ITEN ST	Lead	Copper	PEX	Not Replaced	2020-06-07	2020-06-07	No		2020-08-10	1.01	2020-08-17												
5067791	B15 01 A	B15 01 A	1219	ITEN ST	Lead	Copper	PEX	Not Replaced	2020-06-07	2020-06-07	No		2020-06-10	1.77	2020-06-15												
5019712	B20 07	B20 07	5209	DRESDEN WAY	Lead	Lead	PEX	Copper	2020-06-08	2020-06-08	No		2020-07-09	ND	2020-07-20												
5019799	B20 07	B20 07	5206	DRESDEN WAY	Lead	Copper	PEX	Not Replaced	2020-06-08	2020-06-08	No		2020-06-09	ND	2020-06-15												
5009746	B17 07 B	B17 07 B	3927	LIBERTY AVE	Lead	Lead	PEX	Copper	2020-06-08	2020-06-08	No		2020-06-08	2.58	2020-06-15												
5009680	B17 07 B	B17 07 B	3811	HOWLEY ST	Lead	Lead	PEX	Copper	2020-06-08	2020-06-08	No		2020-06-09	ND	2020-06-22												
5009466	B17 07 A	B17 07 A	3801	PENN AVE	Lead	PEX	PEX	Not Replaced	2020-06-09	2020-06-09	No		2020-06-10	2.31	202												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5074144	B15_01_B	B15_01_B	2600	SUNSET AVE	Lead	Copper	PEX	Not Replaced	2020-06-15	2020-06-15	No		2020-06-17	ND	2020-06-22												
5019769	B20_07	B20_07	5228	HARRISON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-06-15	2020-06-15	No		2020-06-16	1.48	2020-06-22												
5002408	B18_06	B18_06	2317	5TH AVE	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-17	ND	2020-06-22												
5002843	B18_06	B18_06	223	DUNSEITH ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-23	14	2020-06-29	2020-09-21	ND	2020-10-12									
5073004	B15_01_B	B15_01_B	2116	DONORA ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2021-04-23	4.74	2021-05-03	2022-10-14	3.35	2022-10-19									
5026742	B19_09	B19_09	5561	COLUMBO ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-15	ND	2020-06-22												
5072952	B15_01_B	B15_01_B	85	LUELLA ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-16	ND	2020-06-22												
5019952	B20_07	B20_07	123	MCCANDLESS AVE	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-18	1.42	2020-06-22												
5022724	B20_07	B20_07	6012	BUTLER ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-17	1.22	2020-06-22												
5013628	B21_07	B21_07	245	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-06-15	2020-06-15	No		2020-06-19	13.1	2020-06-29												
5024559	Ops		320	N GRAHAM ST	Lead	Copper	PEX	Not Replaced	2020-06-16		No	Emergency	2020-07-29	5.8	2020-08-10												
5003376	B14_03_A	B14_03_A	239	ATWOOD ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-17	4.46	2020-06-29	2020-06-17	ND	2020-06-29									
5072968	B15_01_B	B15_01_B	921	LUELLA ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-23	ND	2020-06-29												
5072936	B15_01_B	B15_01_B	900	MINA ST REAR	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-24	1.55	2020-07-06												
5026720	B19_09		5441	HILLCREST ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-17	1.3	2020-06-22												
5013610	B21_07	B21_07	220	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-17	ND	2020-06-29	2020-06-22	ND	2020-07-13									
5073010	B15_01_B	B15_01_B	2125	DONORA ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-07-15	ND	2020-07-20												
5009798	B17_07_B	B17_07_B	3944	LIBERTY AVE	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-18	3.16	2020-07-06												
5022727	B20_07	B20_07	6004	BUTLER ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-17	6.8	2020-06-29												
5068768	B15_01_A	B15_01_A	7	TANK ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-19	ND	2020-06-29												
5019887	B20_07	B20_07	5216	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-16	2020-06-16	No		2020-06-17	1.32	2020-06-29												
5022735	B20_07	B20_07	5728	BUTLER ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-18	No		2020-06-19	2	2020-06-29												
5024675	B19_09	B19_09	5440	HILLCREST ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-18	No		2020-06-19	16.3	2020-06-29	2020-10-03	ND	2020-10-12									
5013611	B21_07	B21_07	224	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-17	No		2020-06-18	4.22	2020-06-29	2020-06-22	1.09	2020-07-13									
5002243	B18_06	B18_06	120	DE RUAD ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-17	No		2020-06-19	ND	2020-06-29												
5067831	B15_01_A	B15_01_A	1325	DIANA PL	Lead	Copper	PEX	Not Replaced	2020-06-17		No		2020-06-19	ND	2020-07-13												
5026679	B19_09	B19_09	5521	MARGARETTA ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-17	No		2020-06-18	ND	2020-06-29												
5013585	B21_07	B21_07	229	GROSS ST	Lead	Lead	PEX	Copper	2020-06-17	2020-06-17	No		2020-06-21	1.22	2020-06-29												
5023085	B20_07	B20_07	318	57TH ST	Lead	Copper	PEX	Not Replaced	2020-06-18		No		2020-06-20	1.75	2020-06-29												
5026678	B19_09	B19_09	5525	MARGARETTA ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-06-20	ND	2020-06-29												
5072950	B15_01_B	B15_01_B	75	LUELLA ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-06-19	1.23	2020-06-29												
5013547	B21_07	B21_07	216	GROSS ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-06-19	35.9	2020-06-29												
5043538	CEP_02	CEP_02	102	CARNEGIE PL	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-06-20	4.4	2020-06-29												
5027209	B19_09	B19_09	5468	HILLCREST ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-08-03	3.38	2020-08-10												
5013584	B21_07	B21_07	231	GROSS ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-19	No		2020-06-20	6.72	2020-06-29												
5019839	B20_07	B20_07	5305	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-18	2020-06-18	No		2020-06-19	ND	2020-06-29												
5026676	B19_09	B19_09	5513	MARGARETTA ST	Lead	Copper	PEX	Not Replaced	2020-06-18		No		2020-06-24	15.7	2020-07-06	2020-09-25	ND	2020-10-05									
5013631	B21_07	B21_07	223	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-06-19	2020-06-19	No		2020-06-22	7.98	2020-07-06												
5019845	B20_07	B20_07	5270	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-19	2020-06-19	No		2020-06-23	1.96	2020-06-29												
5022668	B20_07	B20_07	5708	BUTLER ST	Lead	Lead	PEX	Copper	2020-06-19	2020-06-19	No		2020-06-22	ND	2020-06-29												
5024841	Ops	Urgent LSLR	1146	KING AVE	Lead	Lead	PEX	Copper	2020-06-22	2020-06-29	No	Emergency	2020-06-30	1.1	2020-07-13												
5024582	B19_09	B19_09	427	N GRAHAM ST	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-06-23	1.64	2020-06-29												
5048260	CEP_02	CEP_02	5118	CHAPLAIN WAY	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-09-21	1.16	2020-09-28												
5022441	B20_07	B20_07	5317	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-06-24	1.85	2020-06-29												
5013620	B21_07	B21_07	250	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-06-23	1.42	2020-07-13	2020-06-28	2.54	2020-07-13									
5013414	B21_07	B21_07	261	EDMOND ST	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-06-22	ND	2020-06-29												
5027592	B19_09	B19_09	116	N FAIRMOUNT ST	Lead	Copper	PEX	Not Replaced	2020-06-22		No		2020-06-23	5.56	2020-06-29												
5027597	B19_09	B19_09	107	N FAIRMOUNT ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-06-22	2020-06-22	No		2021-05-25	ND	2021-06-07												
5008396	B17_07_B	B17_07_B	3720	LIBERTY AVE	Lead	Lead	PEX	Copper	2020-06-22	2020-06-22	No		2020-06-23	ND	2020-06-29												
5013392	B21_07	B21_07	250	EDMOND ST	Lead	Lead	PEX	Copper	2020-06-23	2020-06-23	No		2020-06-25	1.13	2020-07-06												
5022450	B20_07	B20_07	5329	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-23	2020-06-23	No		2020-06-24	2.02	2020-06-29	2020-06-27	2.49	2020-07-06	2020-06-27	2.49	2020-07-06						
5003145	B18_06	B18_06	179	ROBINSON ST	Lead	Lead	PEX	Copper	2020-06-23	2020-06-23	No		2020-06-25	20.8	2020-07-06												
5026669	B19_09	B19_09	5536	MARGARETTA ST	Lead	Lead	PEX	Copper	2020-06-23	2020-06-23	No		2020-06-26	8.94	2020-07-06												
5005703	CEP_02	CEP_02	2248	BEDFORD AVE	Lead	Lead	PEX	Copper	2020-06-24	2020-06-24	No		2020-06-25	1.15	2020-07-06												
5013420	B21_07	B21_07	249	EDMOND ST	Lead	Lead	PEX	Copper	2020-06-24	2020-06-24	No		2020-07-11	19.3	2020-07-20	2020-10-04	5.99	2020-10-12									
5022463	B20_07	B20_07	5341	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-06-24	2020-06-24	No		2020-06-25	ND	2020-07-06												
5002821	B18_06	B18_06	228	ROBINSON ST	Lead	Lead	PEX	Copper	2020-06-24	2020-06-24	No		2020-06-25	61.4	2020-07-06												
5022598	B20_07	B20_07	6068	BUTLER ST	Lead	Copper	PEX	Not Replaced	2020-06-24		No		2020-06-24	8.73	2020-07-06												
5022599	B20_07	B20_07	6066	BUTLER ST	Lead	Copper	PEX	Not Replaced	2020-06-24		No		2020-06-25	24.3	2020-07-06												
5026737	B19_09	B19_09	5535	MARGARETTA ST	Lead	Lead	PEX	Copper	2020-06-24	2020-06																	

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5044646	Urgent LSLR	Urgent LSLR	917	S BRADDOCK AVE	Lead	Copper	PEX	Not Replaced	2020-07-02		No	Emergency	2020-07-08	2.68	2020-07-20												
5013352	B21_07	B21_07	211	PEARL ST	Lead	Lead	PEX	Copper	2020-07-06	2020-07-06	No		2020-07-07	24	2020-07-20	2020-10-09	2.8	2020-10-19									
5014133	B21_07	B21_07	356	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-07-06	2020-07-07	No		2020-07-09	87	2020-07-20	2021-05-25	10.1	2021-06-14									
5009285	B17_07_A	B17_07_A	3523	PENN AVE	Lead	Lead	PEX	Copper	2020-07-06	2020-07-06	No		2020-07-07	3.2	2020-07-20												
5056973	SDWMR_2020A	SDWMR_2020A	628	INDUSTRY ST	Lead	Lead	PEX	Copper	2020-07-06	2020-07-06	No		2020-07-08	1.5	2020-07-13												
5026651	B19_09	B19_09	524	N FAIRMOUNT ST	Lead	Lead	PEX	Copper	2020-07-06	2020-07-06	No		2020-07-07	1.58	2020-07-13												
5009481	B17_07_A	B17_07_A	3929 1/2	WOOLSLAYER WAY	Lead	Lead	PEX	Copper	2020-07-07	2020-07-07	No		2020-07-10	1.69	2020-07-20												
5014143	B21_07	B21_07	361	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-07-07	2020-07-07	No		2020-07-11	1.44	2020-07-20												
5056314	CEP_02	CEP_02	407	EUREKA ST	Lead	Lead	PEX	Copper	2020-07-07	2020-07-07	No		2020-07-18	2.63	2020-07-28												
5022523	B20_07	B20_07	5326	BUTLER ST	Lead	Copper	PEX	Not Replaced	2020-07-07		No		2020-07-08	2.5	2020-07-20	2020-07-08	4.87	2020-07-20									
5013562	B21_07	B21_07	258	GROSS ST	Lead	Lead	PEX	Copper	2020-07-07	2020-07-07	No		2020-07-08	10.2	2020-07-20	2020-07-08	2.51	2020-07-20									
5056961	SDWMR_2020A	SDWMR_2020A	614	MANTON WAY	Lead	Lead	PEX	Copper	2020-07-07	2020-07-07	No		2020-07-10	ND	2020-07-21												
5013380	B21_07	B21_07	220	EDMOND ST	Lead	Lead	PEX	Copper	2020-07-08	2020-07-08	No		2020-07-09	4.64	2020-07-20												
5013347	B21_07	B21_07	219	PEARL ST	Lead	Lead	PEX	Copper	2020-07-08	2020-07-08	No		2020-07-10	143	2020-07-20	2020-07-21	62.7	2020-07-28	2020-07-29	37.9	2020-08-10	2021-05-04	41.8	2021-05-17	2021-07-30	4.16	2021-08-16
5014130	B21_07	B21_07	348	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-07-08	2020-07-08	No		2020-07-12	2.07	2020-07-20												
5022515	B20_07	B20_07	5400	BUTLER ST	Lead	Copper	PEX	Not Replaced	2020-07-08		No		2020-07-09	ND	2020-07-20												
5056976	SDWMR_2020A	SDWMR_2020A	612	INDUSTRY ST	Lead	PEX	PEX	Not Replaced	2020-07-08		No		2020-07-09	2.57	2020-07-21												
5013591	B21_07	B21_07	209	GROSS ST	Lead	Lead	PEX	Copper	2020-07-08	2020-07-08	No		2020-07-10	2.39	2020-07-20												
5013382	B21_07	B21_07	224	EDMOND ST	Lead	Copper	PEX	Not Replaced	2020-07-09		No		2020-07-11	4.94	2020-07-20												
5014142	B21_07	B21_07	365	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-07-09	2020-07-09	No		2020-07-15	7.01	2020-07-20												
5022542	B20_07	B20_07	5300	BUTLER ST	Lead	Copper	PEX	Not Replaced	2020-07-09		No		2020-07-27	ND	2020-08-05												
5020134	B20_07	B20_07	606	MCCANDLESS AVE	Lead	Lead	PEX	Copper	2020-07-09	2020-07-09	No		2020-07-11	6.43	2020-07-20												
5024631	B19_09	B19_09	5421	BROAD ST	Lead	Lead	PEX	Copper	2020-07-09	2020-07-09	No		2020-07-10	2.99	2020-07-20												
5013350	B21_07	B21_07	215	PEARL ST	Lead	Lead	PEX	Copper	2020-07-09	2020-07-09	No		2020-07-10	4.07	2020-07-20	2020-07-10	8.67	2020-07-20									
5013423	B21_07	B21_07	243	EDMOND ST	Lead	Lead	PEX	Copper	2020-07-10	2020-07-10	No		2020-07-11	ND	2020-07-20												
5013353	B21_07	B21_07	213	PEARL ST	Lead	Lead	PEX	Copper	2020-07-10	2020-07-10	No		2020-07-11	1.97	2020-07-20												
5014141	B21_07	B21_07	369	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2020-07-10	2020-07-10	No		2020-07-14	ND	2020-07-20												
5013560	B21_07	B21_07	254	GROSS ST	Lead	Copper	PEX	Not Replaced	2020-07-10		No		2020-07-11	2.95	2020-07-20												
5019385	CEP_02	CEP_02	5306	ROSETTA ST	Lead	Copper	PEX	Not Replaced	2020-07-10		No		2020-07-13	5.85	2020-07-20												
5035354	Urgent LSLR	Urgent LSLR	5521	DUNMOYLE AVE	Lead	PEX	PEX	Not Replaced	2020-07-10		No	Emergency	2020-07-27	ND	2020-08-05												
1000044	B20_07	B20_07	5235	BUTLER ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-07-13	2020-07-13	No		2020-07-14	ND	2020-08-05	2020-07-28	ND	2020-08-05									
5013381	B21_07	B21_07	222	EDMOND ST	Lead	Lead	PEX	Copper	2020-07-13	2020-07-13	No		2020-07-16	3.05	2020-07-28												
5017791	B21_07	B21_07	214	PEARL ST	Lead	Lead	PEX	Copper	2020-07-13	2020-07-13	No		2020-07-15	4.89	2020-07-28												
5013578	B21_07	B21_07	251	GROSS ST	Lead	Lead	PEX	Copper	2020-07-13	2020-07-13	No		2020-07-16	5.18	2020-07-28												
5014131	B21_07	B21_07	350	S WINEBIDDLE ST	Lead	Copper	PEX	Not Replaced	2020-07-13		No		2020-08-03	4.71	2020-08-17												
5035851	CEP_02	CEP_02	5544	WILKINS AVE	Lead	Lead	PEX	Copper	2020-07-16	2020-07-13	No		2020-08-21	3.75	2020-08-31												
5027590	B19_09	B19_09	5511	DUNKIRK ST	Lead	Lead	PEX	Copper	2020-																		

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5013659	B21_07	B21_07	238	S EVALINE ST	Lead	Copper	PEX	Not Replaced	2020-07-24		No		2020-08-01	2.61	2020-08-10	2020-08-04	ND	2020-08-10									
5055420	SDWMR_2020A	SDWMR_2020A	16	MOUNT OLIVER ST	Lead	Copper	PEX	Not Replaced	2020-07-24		No		2020-08-06	ND	2020-08-10												
5055395	SDWMR_2020A	SDWMR_2020A	44	MOUNT OLIVER ST	Lead		PEX	Copper	2020-07-24	2020-07-24	No		2020-08-08	ND	2020-09-14												
5028210	Ops	Urgent LSLR	1020	WINTERTON ST	Lead	Lead	PEX	Copper	2020-07-27	2020-08-10	No		2020-08-11	3.63	2020-08-17												
5013460	B21_07	B21_07	242	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-07-27	2020-07-27	No		2020-09-25	5.83	2020-10-05												
5013660	B21_07	B21_07	242	S EVALINE ST	Lead	Lead	PEX	Copper	2020-07-27	2020-07-27	No		2020-07-31	9.7	2020-08-10												
5013476	B21_07	B21_07	243	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-07-27	2020-07-27	No		2020-07-30	5.63	2020-08-05												
5026775	B19_09	B19_09	534	N NEGLEY AVE	Lead	Lead	PEX	Copper	2020-07-27	2020-07-27	No		2020-07-29	2.38	2020-08-05												
5014097	B21_07	B21_07	357	GROSS ST	Lead	Lead	PEX	Copper	2020-07-27	2020-07-27	No		2020-07-28	5.54	2020-08-05												
5013458	B21_07	B21_07	238	S MATHILDA ST	Lead Tailpiece	Lead	Copper	PEX	2020-07-28	2020-07-29	No		2020-09-14	ND	2020-09-21												
5024566	B19_09	B19_09	420	N GRAHAM ST	Lead	Lead	PEX	Copper	2020-07-28	2020-07-28	No		2020-07-29	ND	2020-08-05												
5022700	B20_07	B20_07	207	57TH ST	Lead	Lead	PEX	Copper	2020-07-28	2020-07-28	No		2020-07-29	ND	2020-08-10												
5029266	SDWMR_2020B	SDWMR_2020B	6573	ROWAN ST	Lead	Copper	PEX	Not Replaced	2020-07-28		No		2020-08-03	ND	2020-08-10												
5022690	B20_07	B20_07	112	57TH ST	Lead	Lead	PEX	Copper	2020-07-29	2020-07-29	No		2020-08-02	ND	2020-08-10												
5026576	SDWMR_2020B	SDWMR_2020B	6200	JACKSON ST	Lead	Lead	PEX	Copper	2020-07-29	2020-07-29	No		2020-08-04	ND	2020-08-10												
5013329	B21_07	B21_07	125	PEARL ST	Lead	Lead	PEX	Copper	2020-07-29	2020-07-29	No		2020-10-01	248	2020-10-12	2020-10-13	8.02	2020-11-02	2020-11-01	26	2020-11-16						
5022702	B20_07	B20_07	209	57TH ST	Lead	Lead	PEX	Copper	2020-07-29	2020-07-29	No		2020-08-04	ND	2020-08-10												
5013665	B21_07	B21_07	225	S EVALINE ST	Lead	Lead	PEX	Copper	2020-07-29	2020-07-29	No		2020-07-31	ND	2020-08-10												
5013516	B21_07	B21_07	210	S MILLVALE AVE	Lead	Lead	PEX	Copper	2020-07-30	2020-07-30	No		2020-07-31	33.2	2020-08-17												
5013453	B21_07	B21_07	228	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-07-30	2020-08-03	No		2020-08-04	33.6	2020-08-10												
5040796	CEP_02	CEP_02	205	N DALLAS AVE	Lead	Lead	PEX	Copper	2020-07-30	2020-07-30	No		2020-08-01	ND	2020-08-10												
5055404	SDWMR_2020A	SDWMR_2020A	62	MOUNT OLIVER ST	Lead	Copper	PEX	Not Replaced	2020-07-30		No		2020-07-31	8.47	2020-08-10												
5023087	B20_07	B20_07	249	57TH ST	Lead	Lead	PEX	Copper	2020-07-30	2020-07-30	No		2020-09-11	1.37	2020-10-05												
5055379	SDWMR_2020A	SDWMR_2020A	35	MOUNT OLIVER ST	Lead	Copper	PEX	Not Replaced	2020-07-30		No		2020-07-31	ND	2020-08-10												
5026746	B19_09	B19_09	525	N NEGLEY AVE	Lead	Lead	PEX	Copper	2020-07-30	2020-07-30	No		2020-09-21	ND	2020-10-05												
5026564	SDWMR_2020B	SDWMR_2020B	830	COLLINS AVE	Copper	Lead	PEX	Copper	2020-07-31	2020-07-31	No		2020-08-03	ND	2020-08-10												
5032149	SDWMR_2020B	SDWMR_2020B	7403	STRANAHAN ST	Copper	Lead	PEX	Copper	2020-08-01	2020-08-01	No		2020-08-01	4.37	2020-08-10												
5029272	SDWMR_2020B	SDWMR_2020B	6555	ROWAN ST	Lead	Lead	PEX	Copper	2020-08-03	2020-08-03	No		2020-08-04	7.69	2020-08-10												
5013452	B21_07	B21_07	226	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-08-03	2020-08-04	No		2020-10-27	14.7	2020-11-09	2020-12-11	17.4	2020-12-29									
5026582	SDWMR_2020B	SDWMR_2020B	6135	JACKSON ST	Lead	Lead	PEX	Copper	2020-08-03	2020-08-03	No		2020-08-05	ND	2020-08-10												
5026583	SDWMR_2020B	SDWMR_2020B	6129	JACKSON ST	Lead	Lead	PEX	Copper	2020-08-03	2020-08-03	No		2020-08-05	5.25	2020-08-10												
5013530	B21_07	B21_07	227	S MILLVALE AVE	Lead	Lead	PEX	Copper	2020-08-03	2020-08-03	No		2020-08-04	7.52	2020-08-10												
5013312	B21_07	B21_07	113	PEARL ST	Lead	Lead	PEX	Copper	2020-08-04	2020-08-04	No		2020-08-10	2.35	2020-08-24												
5053225	Ops	Urgent LSLR	102	S 11TH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-08-04	2020-08-13	No	Emergency	2020-08-14	1.15	2020-08-24												
5031356	Urgent LSLR	Urgent LSLR	1384	PAULSON AVE	Lead	Lead	PEX	Copper	2020-08-04	2020-08-04	No	Emergency	2020-08-05	11	2020-08-10	2020-11-12	5.7	2020-11-23									
5013464	B21_07	B21_07	250	S MATHILDA ST	Lead	Copper	PEX	Not Replaced	2020-08-04		No		2020-08-06	4.46	2020-08-17												
5055131																											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5013524	B21_07	B21_07	243	S MILLVALE AVE	Lead	Lead	PEX	Copper	2020-08-17	2020-08-17	No		2020-08-20	6	2020-08-24												
5013871	B21_07	B21_07	131	S GRAHAM ST	Lead	Lead	PEX	Copper	2020-08-17	2020-08-17	No		2020-08-26	ND	2020-08-31												
5026150	CEP_02	CEP_02	610	CHISLETT ST	Lead	Lead	PEX	Copper	2020-08-17	2020-08-17	No		2020-08-20	4.43	2020-08-24												
5065981	B22_01	B22_01	1245	PALO ALTO ST	Lead	Lead	PEX	Copper	2020-08-17	2020-08-17	No		2020-08-18	2.86	2020-08-31												
5065985	B22_01	B22_01	1240	PALO ALTO ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-08-17	2020-08-17	No		2020-09-10	ND	2020-09-21												
5065885	B22_01	B22_01	1214	BUENA VISTA ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-20	11.6	2020-08-31	2020-11-27	15.5	2020-12-08	2021-02-21	5.37	2021-03-03						
5065998	B22_01	B22_01	1218	PALO ALTO ST	Lead	Copper	PEX	Not Replaced	2020-08-18		No		2020-08-19	ND	2020-08-24												
5013525	B21_07	B21_07	241	S MILLVALE AVE	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-19	18.3	2020-08-24	2020-12-10	6.22	2020-12-21									
5013454	B21_07	B21_07	230	S MATHILDA ST	Lead	Copper	PEX	Not Replaced	2020-08-18		No		2020-08-19	ND	2020-08-24												
5066115	B22_01	B22_01	1322	ARCH ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-19	22.2	2020-08-24	2020-11-30	1.34	2020-12-08									
5065996	B22_01	B22_01	1222	PALO ALTO ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-26	2.81	2020-09-09												
5022687	B20_07	B20_07	5645	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-21	ND	2020-08-31												
5013446	B21_07	B21_07	214	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-19	No		2020-08-21	2.08	2020-08-31												
5066094	B22_01	B22_01	1307	ARCH ST	Lead	Lead	PEX	Copper	2020-08-18	2020-08-18	No		2020-08-21	3.18	2020-08-31												
5065957	B22_01	B22_01	1211	PALO ALTO ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-08-19	2020-08-19	No		2020-08-22	4.68	2020-08-31												
5066004	B22_01	B22_01	1206	PALO ALTO ST	Lead	Copper	PEX	Not Replaced	2020-08-19		No		2020-08-22	1.05	2020-08-31												
5066120	B22_01	B22_01	1302	ARCH ST	Lead	Lead	PEX	Copper	2020-08-19	2020-08-19	No		2020-08-21	3.01	2020-08-31												
5013757	B21_07	B21_07	5154	CORAL ST	Lead	Lead	PEX	Copper	2020-08-19	2020-08-19	No		2020-08-20	133	2020-08-24	2020-08-20	55.1	2020-08-24	2020-08-20	24.6	2020-08-24	2020-10-09	2.1	2020-10-19			
5022711	B20_07	B20_07	201	57TH ST REAR	Lead	Lead	PEX	Copper	2020-08-19	2020-08-19	No		2020-08-21	ND	2020-08-31												
5055163	SDWMR_2020A	SDWMR_2020A	1826	ST PATRICK ST	Lead	Lead	PEX	Copper	2020-08-20	2020-08-21	No		2020-08-24	4.85	2020-09-01												
5065888	B22_01	B22_01	1223	BUENA VISTA ST	Lead	Copper	PEX	Not Replaced	2020-08-20		No		2020-08-21	ND	2020-08-31												
5013487	B21_07	B21_07	213	S MATHILDA ST	Lead	Copper	PEX	Not Replaced	2020-08-20		No		2020-08-21	8.42	2020-08-31												
5022692	B20_07	B20_07	201	57TH ST	Lead	Lead	PEX	Copper	2020-08-20	2020-08-20	No		2020-08-21	34.1	2020-08-31												
5055489	SDWMR_2020A	SDWMR_2020A	2435	GABLE ST	Copper	Lead	PEX	Copper	2020-08-20	2020-08-20	No		2020-08-23	ND	2020-09-09												
5066075	B22_01	B22_01	1207	ARCH ST	Lead	Lead	PEX	Copper	2020-08-20	2020-08-20	No		2020-08-23	3.05	2020-08-31												
5066088	B22_01	B22_01	1225	ARCH ST	Lead	Copper	PEX	Not Replaced	2020-08-20		No		2020-08-25	1.33	2020-08-31												
5013502	B21_07	B21_07	238	S MILLVALE AVE	Lead	Lead	PEX	Copper	2020-08-21	2020-08-21	No		2020-08-22	11.2	2020-09-09	2020-12-06	1.05	2020-12-21									
5013922	B21_07	B21_07	5416	CORAL ST	Lead	Lead	PEX	Copper	2020-08-21	2020-08-21	No		2020-08-25	4.26	2020-09-21												
5019777	B20_07	B20_07	106	53RD ST	Lead	Copper	PEX	Not Replaced	2020-08-24		No		2020-09-24	2.63	2020-10-05												
5020361	B20_07	B20_07	5118	KEYSTONE ST	Lead	Lead	PEX	Copper	2020-08-24	2020-08-24	No		2020-08-31	1.21	2020-09-09												
5013327	B21_07	B21_07	201	S MATHILDA ST	Lead	Lead	PEX	Copper	2020-08-24	2020-08-24	No		2020-08-25	7.9	2020-08-31												
5066238	B22_01	B22_01	117	HEMLOCK ST	Lead	Lead	PEX	Copper	2020-08-24	2020-08-24	No		2020-08-26	1.19	2020-08-31												
5067007	CEP_02	CEP_02	935	ITEN ST	Lead	Lead	PEX	Copper	2020-08-24	2020-08-24	No		2020-08-25	ND	2020-09-09												
5066241	B22_01	B22_01	1321	SANDUSKY ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-08-24	2020-08-24	No		2020-08-24	ND	2020-08-31												
5065887	B22_01	B22_01	1221	BUENA VISTA ST	Lead	Copper	PEX	Not Replaced	2020-08-24		No		2020-09-01	ND	2020-09-09												
5055290	SDWMR_2020A	SDWMR_2020A	29	ST THOMAS ST	Lead	Copper	PEX	Not Replaced	2020-08-24		No		2020-08-28	9.67	2020-09-09												
5066235	B22_01	B22_01	113	HEMLOCK ST	Lead	Lead	PEX	Copper	2020-08-25	2020-08-25	No		2020-11-25														

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrform Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrform Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrform Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrform Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrform Lab5
5066071	B22_01	B22_01	1109	ARCH ST	Lead	Copper	PEX	Not Replaced	2020-09-09	2020-09-09	No		2020-09-10	ND	2020-09-21												
5070833	B22_01	B22_01	1415	PORTERFIELD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-09	2020-09-09	No		2020-09-10	75.7	2020-09-21	2020-10-06	5.6	2020-10-19									
5070838	B22_01	B22_01	1425	PORTERFIELD ST	Lead	Copper	PEX	Not Replaced	2020-09-09	2020-09-09	No		2020-09-10	2.78	2020-09-21												
5066078	B22_01	B22_01	1211	ARCH ST	Lead	Lead	PEX	Copper	2020-09-09	2020-09-09	No		2020-11-25	ND	2020-12-14												
5022572	B20_07	B20_07	5403	BERLIN WAY	Lead	Copper	PEX	Not Replaced	2020-09-09	2020-09-09	No		2020-09-10	ND	2020-09-21												
5016493	Urgent LSLR	Urgent LSLR	215	MAIN ST	Lead	Lead	PEX	Copper	2020-09-09	2020-09-09	No	Emergency	2020-09-13	ND	2020-09-21												
5065944	B22_01	B22_01	1204	RESACA PL	Lead	Lead	PEX	Copper	2020-09-10	2020-09-10	No		2020-09-10	ND	2020-09-21												
5065795	B22_01	B22_01	1205	RESACA PL	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-10	2020-09-10	No		2020-09-10	ND	2020-09-21												
5066024	B22_01	B22_01	1321	VETO ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-10	2020-09-10	No		2020-09-11	11	2020-09-21	2020-12-14	ND	2021-01-06									
5066021	B22_01	B22_01	1327	VETO ST	Lead	Lead	PEX	Copper	2020-09-10	2020-09-10	No		2020-09-15	4.09	2020-09-21												
5078004	SDWMR_2019	SDWMR_2019	3522	MASSACHUSETTS AVE	Lead	Lead	PEX	Copper	2020-09-10	2020-09-10	No		2020-09-11	1.43	2020-09-23												
5065936	B22_01	B22_01	1216	RESACA PL	Lead	Copper	PEX	Not Replaced	2020-09-10		No		2020-09-11	ND	2020-09-21												
5000520	B16_06	B16_06	113	GIST ST	Lead	Copper	PEX	Not Replaced	2020-09-11		No		2020-09-12	ND	2020-09-21												
5027276	CEP_03	CEP_03	324	N FAIRMOUNT ST	Lead	Lead	PEX	Copper	2020-09-11	2020-09-11	No		2020-09-14	2.77	2020-09-21												
5078002	SDWMR_2019	SDWMR_2019	3526	MASSACHUSETTS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-11	2020-09-11	No		2020-12-09	ND	2020-12-21												
5066127	B22_01	B22_01	1216	ARCH ST	Lead	Lead	PEX	Copper	2020-09-11	2020-09-11	No		2020-09-12	7.16	2020-09-21												
5066031	B22_01	B22_01	1300	SHERMAN AVE	Lead	Copper	PEX	Not Replaced	2020-09-11		No		2020-09-14	1.62	2020-09-21												
5013331	B21_07	B21_07	4922	PENN AVE	Lead	Copper	PEX	Not Replaced	2020-09-12		No		2020-09-16	1.73	2020-09-21												
5066010	B22_01	B22_01	1225	SHERMAN AVE	Lead	Copper	PEX	Not Replaced	2020-09-14		No		2020-09-26	ND	2020-10-12												
5028299	CEP_03	CEP_03	6336	JACKSON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-14	2020-09-14	No		2020-09-18	ND	2020-09-28												
5027271	CEP_03	CEP_03	304	N FAIRMOUNT ST	Lead	Lead	PEX	Copper	2020-09-14	2020-09-14	No		2020-09-18	1.17	2020-09-28												
5066084	B22_01	B22_01	1220	VETO ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-14	2020-09-14	No		2020-09-21	ND	2020-09-28												
5077707	SDWMR_2019	SDWMR_2019	3611	MASSACHUSETTS AVE	Lead	Lead	PEX	Copper	2020-09-14	2020-09-14	No		2020-09-16	3.77	2020-09-23												
5066037	B22_01	B22_01	1225	VETO ST	Lead	Copper	PEX	Not Replaced	2020-09-14		No		2020-09-15	ND	2020-09-21												
5077731	SDWMR_2019	SDWMR_2019	3616	MASSACHUSETTS AVE	Lead	Copper	PEX	Not Replaced	2020-09-14		No		2020-11-16	ND	2020-11-23												
5066019	B22_01	B22_01	1311	SHERMAN AVE	Lead	Lead	PEX	Copper	2020-09-14	2020-09-14	No		2020-09-16	ND	2020-09-21												
5077995	SDWMR_2019	SDWMR_2019	3540	MASSACHUSETTS AVE	Lead	Lead	PEX	Copper	2020-09-14	2020-09-14	No		2020-09-15	6.05	2020-09-23												
5019349	B21_07	B21_07	5005	PENN AVE	Lead	Copper	PEX	Not Replaced	2020-09-15		No		2020-09-16	1.05	2020-09-21												
5066107	B22_01	B22_01	1327	REDDOUR ST	Lead	Lead	PEX	Copper	2020-09-15	2020-09-15	No		2020-11-24	ND	2020-12-08												
5066137	B22_01	B22_01	1205	REDDOUR ST	Lead	Lead	PEX	Copper	2020-09-15	2020-09-15	No		2020-09-16	ND	2020-09-28												
5066042	B22_01	B22_01	1218	SHERMAN AVE	Lead	Copper	PEX	Not Replaced	2020-09-16		No		2020-09-18	1.96	2020-09-28												
5000658	B16_06	B16_06	36	GIST ST	Lead	Lead	PEX	Copper	2020-09-16	2020-09-16	No		2020-09-16	3.57	2020-09-21												
5055615	CEP_03	CEP_03	447	KATHLEEN ST	Lead	Lead	PEX	Copper	2020-09-16	2020-09-17	No		2020-09-18	1.16	2020-09-28												
5013758	B21_07	B21_07	5152	CORAL ST	Lead	Copper	PEX	Not Replaced	2020-09-16		No		2020-09-18	2.69	2020-09-28												
5000660	B16_06	B16_06	40	GIST ST	Lead	Lead	PEX	Copper	2020-09-17	2020-09-17	No		2020-09-19	3.27	2020-10-05												
5066055	B22_01	B22_01	1116	SHERMAN AVE	Lead	Lead	PEX	Copper	2020-09-17	2020-09-17	No		2020-09-18	3.75	2020-09-28												
5024633	CEP_03	CEP_03	217	N GRAHAM ST	Lead	Lead	PEX	Copper	2020-09-17	2020-09-17	No		2020-09-18	ND	2020-10-05												
5027122	CEP_03	CEP_03	6302	STANTON AVE	Lead	Lead	PEX	Copper	2020-09-17	2020-09-17	No		2020-09-21	ND	2020-09-28												
5023019	B20_07	B20_07	5618	CARNEGIE ST	Lead	Lead	PEX	Copper	2020-09-17	2020-09-18	No		2020-09-19	ND	2020-09-28												
5058368	CEP_03	CEP_03	445	BIGHAM ST	Lead	Lead	PEX	Copper	2020-09-17	2020-09-18	No		2020-09-22	1.84	2020-09-28												
5065973	B22_01	B22_01	1238	FILSON ST	Lead	Lead	PEX	Copper	2020-09-17	2020-09-17	No		2020-11-17	ND	2020-11-23												
5065972	B22_01	B22_01	1236	FILSON ST	Lead	Copper	PEX	Not Replaced	2020-09-17		No		2020-09-18	4.99	2020-09-28												
5054992	SDWMR_2020A	SDWMR_2020A	4	CROSSMAN ST	Copper	Lead	PEX	Copper	2020-09-18	2020-09-18	No		2020-09-21	ND	2020-09-29												
5063331	CEP_02	CEP_02	905	ELKTON ST	Lead	Lead	PEX	Copper	2020-09-18	2020-09-18	No		2020-09-22	1.22	2020-09-28												
5065913	B22_01	B22_01	408	N TAYLOR AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-09-21	2020-09-21	No		2020-11-12	ND	2020-11-23												
5013644	B21_07	B21_07	5134	PENN AVE	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-09-21	53.9	2020-10-12												
5032535	SDWMR_2020B	SDWMR_2020B	7142	APPLE AVE	Copper	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-09-24	ND	2020-10-06												
5078011	SDWMR_2019	SDWMR_2019	1616	FALCK AVE	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-11-10	2.41	2020-11-23												
5023066	B20_07	B20_07	220	57TH ST	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-09-22	43.5	2020-10-05												
5065758	B22_01	B22_01	706	N TAYLOR AVE	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-10-06	ND	2020-10-12												
5000653	B16_06	B16_06	41	GIST ST	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-09-22	2.44	2020-09-28												
5065960	B22_01	B22_01	1217	PALO ALTO ST REAR	Lead	Lead	PEX	Copper	2020-09-21	2020-09-21	No		2020-09-22	ND	2020-09-28												
5065755	B22_01	B22_01	712	N TAYLOR AVE	Lead	Lead	PEX	Copper	2020-09-22	2020-09-22	No		2020-10-04	1.23	2020-10-12												
5051916	CEP_03	CEP_03	2319	WELLINGTON ST	Lead	Lead	PEX	Copper	2020-09-22	2020-09-22	No		2020-09-23	6.87	2020-10-19												
5029568	CEP_03	CEP_03	505	PAULSON AVE	Lead	Lead	PEX	Copper	2020-09-22	2020-09-22	No		2020-09-26	3.15	2020-10-19												
5066007	B22_01	B22_01	1200	PALO ALTO ST	Lead	Lead	PEX	Copper	2020-09-22	2020-09-22	No		2020-09-24	ND	2020-10-05												
5065948	B22_01	B22_01	1200	RESACA PL	Lead	Copper	PEX	Not Replaced	2020-09-22		No		2020-09-23	ND	2020-10-05												
5065869	B22_01	B22_01	613	N TAYLOR AVE	Lead	Copper	PEX	Not Replaced	2020-09-23		No		2020-09-24	5.45	2020-10-05												
5052031	CEP_03	CEP_03	2305	PATTERSON ST	Lead	Lead	PEX	Copper	2020-09-23	2020-09-23	No		2020-09-25	ND	2020-10-19												
5000647	B16_06	B16_06	311	GIST ST	Lead	Lead	PEX	Copper	2020-09-23	2020-09-23	No		2020-09-25	5.26	2020-10-05												
5065757	B22_01	B22_01	708	N TAYLOR AVE	Lead	Lead	PEX	Copper	2020-09-23	2020-09-23	No		2020-09-25														

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5000614	B16_06	B16_06	1723	LOCUST ST	Lead	Lead	PEX	Copper	2020-10-05	2020-10-05	No		2020-10-05	2.73	2020-10-12												
5065772	B22_01	B22_01	602	N TAYLOR AVE	Lead	Copper	PEX	Not Replaced	2020-10-05		No		2020-10-06	ND	2020-10-12												
5065915	B22_01	B22_01	412	N TAYLOR AVE	Lead	Copper	PEX	Not Replaced	2020-10-05		No		2020-10-06	1.18	2020-10-12												
5065713	B22_01	B22_01	911	W NORTH AVE	Lead	Copper	PEX	Not Replaced	2020-10-05		No		2020-10-22	ND	2020-11-02												
5010226	Ops	Urgent LSLR	4789	WALLINGFORD ST	Lead	Lead	PEX	Copper	2020-10-06	2020-10-09	No	Emergency	2020-10-12	5.07	2020-10-19												
5065912	B22_01	B22_01	406	N TAYLOR AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-10-06	2020-10-06	No		2020-10-09	ND	2020-10-19												
5000607	B16_06	B16_06	1707	LOCUST ST	Lead	Lead	PEX	Copper	2020-10-06	2020-10-06	No		2020-10-07	1.96	2020-10-12												
5065914	B22_01	B22_01	410	N TAYLOR AVE	Lead	Lead	PEX	Copper	2020-10-06	2020-10-06	No		2020-10-07	1.04	2020-10-12												
5026538	SDWMR_2020B	SDWMR_2020B	823	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2020-10-06	2020-10-06	No		2020-10-08	ND	2020-10-20												
5078117	SDWMR_2019	SDWMR_2019	1419	HUBBARD ST	Lead	Lead	PEX	Copper	2020-10-06	2020-10-06	No		2020-10-11	ND	2020-10-20												
5065911	B22_01	B22_01	404	N TAYLOR AVE	Lead	Copper	PEX	Not Replaced	2020-10-07		No		2020-10-08	3.05	2020-10-19												
5078309	CEP_03	CEP_03	3413	FLEMING AVE	Lead	Copper	PEX	Not Replaced	2020-10-07		No		2020-10-08	41.9	2020-10-19	2021-01-06	ND	2021-01-19									
5080952	CEP_03	CEP_03	1257	TERMON AVE	Lead	Lead	PEX	Copper	2020-10-07	2020-10-07	No		2020-10-09	1.06	2020-10-19												
5078082	SDWMR_2019	SDWMR_2019	1534	HUBBARD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-10-08	2020-10-08	No		2020-10-09	42.6	2020-11-09	2021-05-22	1.24	2021-06-02									
5065890	B22_01	B22_01	1227	BUENA VISTA ST	Lead	Copper	PEX	Not Replaced	2020-10-08		No		2020-10-10	ND	2020-11-09												
5000665	B16_06	B16_06	1835	BLVD OF THE ALLIES	Lead	Copper	PEX	Not Replaced	2020-10-08		No		2020-10-08	4.87	2020-10-19	2020-10-12	2.23	2020-10-19									
5000717	B16_06	B16_06	16	SENECA ST	Lead	Lead	PEX	Copper	2020-10-08	2020-10-08	No		2020-10-09	2.04	2020-11-09												
5026545	SDWMR_2020B	SDWMR_2020B	830	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2020-10-09	2020-10-09	No		2020-10-12	1.76	2020-10-20												
5066054	B22_01	B22_01	1200	SHERMAN AVE	Lead	Copper	PEX	Not Replaced	2020-10-12		No		2020-10-24	ND	2020-11-09												
5026534	SDWMR_2020B	SDWMR_2020B	839	N SHERIDAN AVE	Copper	Lead	PEX	Copper	2020-10-12	2020-10-12	No		2020-10-13	3.03	2020-10-20												
5000530	B16_06	B16_06	120	MILTENBERGER ST	Lead	Lead	PEX	Copper	2020-10-12	2020-10-12	No		2020-10-22	ND	2020-11-16												
5046072	CEP_03	CEP_03	4200	LYDIA ST	Lead	Lead	PEX	Copper	2020-10-12	2020-10-12	No		2020-10-15	2.57	2020-11-02												
5066065	B22_01	B22_01	210	W NORTH AVE	Lead	Lead	PEX	Copper	2020-10-12	2020-10-12	No		2020-10-14	1.98	2020-10-19												
5042041	CEP_03	CEP_03	6674	WOODWELL ST	Lead	Copper	PEX	Not Replaced	2020-10-12		No		2020-10-14	2.29	2020-11-02												
5018984	CEP_02	CEP_02	5133	HILLCREST ST	Lead	Copper	PEX	Not Replaced	2020-10-13		No		2020-11-30	ND	2020-12-08												
5046550	CEP_03	CEP_03	4317	LYDIA ST	Lead	Lead	PEX	Copper	2020-10-13	2020-10-13	No		2020-10-16	536	2020-11-02	2020-11-02	35.9	2020-11-16									
5000664	B16_06	B16_06	1841	BLVD OF THE ALLIES	Lead	Lead	PEX	Copper	2020-10-13	2020-10-13	No		2020-10-15	4.01	2020-11-02												
5066366	B22_01	B22_01	500	W NORTH AVE	Lead	Copper	PEX	Not Replaced	2020-10-14		No		2020-10-15	ND	2020-11-02												
5066379	B22_01	B22_01	400	W NORTH AVE	Lead	Copper	PEX	Not Replaced	2020-10-14		No		2020-10-15	1.41	2020-11-02												
5050072	SDWMR_2020A	SDWMR_2020A	4321	MURRAY AVE	Lead	Copper	PEX	Not Replaced	2020-10-14		No		2021-08-28	5.31	2021-09-20												
5010243	CEP_03	CEP_03	4724	WALLINGFORD ST	Lead	Lead	PEX	Copper	2020-10-14	2020-10-14	No		2020-10-18	5.54	2020-11-02												
5046132	CEP_03	CEP_03	4215	SHIELDS ST	Lead	Lead	PEX	Copper	2020-10-14	2020-10-14	No		2020-10-15	8.77	2020-11-02												
5065844	B22_01	B22_01	1209	DAY ST	Lead	Lead	PEX	Copper	2020-10-14	2020-10-14	No		2020-10-15	18	2020-11-02												
5000663	B16_06	B16_06	1843	BLVD OF THE ALLIES	Lead	Lead	PEX	Copper	2020-10-15	2020-10-15	No		2020-10-18	2.38	2020-11-02												
5002388	B16_06	B16_06	1	SENECA ST	Lead	Copper	PEX	Not Replaced	2020-10-15		No		2020-10-16	ND	2020-11-02												
5050060	SDWMR_2020A	SDWMR_2020A	4318	MURRAY AVE	Lead	Lead	PEX	Copper	2020-10-15	2020-10-15	No		2020-10-16	7.73	2020-11-03												
5078070	SDWMR_2019	SDWMR_2019	3428	SIPE ST	Lead	Copper	PEX	Not Replaced	2020-10-15		No		2020-10-16	13.7	2020-11-03												
5028491	CEP_03	CEP_03	6350</																								

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5049770	SDWMR_2020A	SDWMR_2020A	4141	MURRAY AVE	Lead	Copper	PEX	Not Replaced	2020-11-19	2020-11-19	No		2020-11-22	ND	2020-12-08												
5019416	CEP_03	CEP_03	5217	KINCAID ST	Lead	Lead	PEX	Copper	2020-11-19	2020-11-19	No		2020-11-20	ND	2020-11-30												
5049741	SDWMR_2020A	SDWMR_2020A	4136	MURRAY AVE	Lead	Lead	PEX	Copper	2020-11-19	2020-11-19	No		2020-11-24	10.9	2020-12-08												
5049780	SDWMR_2020A	SDWMR_2020A	4109	MURRAY AVE	Lead	Lead	PEX	Copper	2020-11-19	2020-11-19	No		2021-01-06	ND	2021-01-19												
5019664	CEP_03	CEP_03	5349	WATERFORD ST	Lead	Lead	PEX	Copper	2020-11-20	2020-11-20	No		2020-11-23	5.87	2020-12-14												
5049738	SDWMR_2020A	SDWMR_2020A	4142	MURRAY AVE	Lead	Lead	PEX	Copper	2020-11-20	2020-11-20	No		2020-11-23	ND	2020-12-08												
5049737	SDWMR_2020A	SDWMR_2020A	4144-4146	MURRAY AVE	Lead	Lead	PEX	Copper	2020-11-21	2020-11-21	No		2020-11-21	ND	2020-12-15	2020-11-22	1.1	2020-11-30									
5014362	CEP_03	CEP_03	320	S AIKEN AVE	Lead	Lead	PEX	Copper	2020-11-23	2020-11-23	No		2020-11-25	3.53	2020-12-08	2020-11-30	13.5	2020-12-29	2021-05-30	1.16	2021-06-21						
5049772	SDWMR_2020A	SDWMR_2020A	4137	MURRAY AVE	Unknown	Lead	PEX	Copper	2020-11-24	2020-11-24	No		2020-11-25	ND	2020-12-08												
5049771	SDWMR_2020A	SDWMR_2020A	4139	MURRAY AVE	Lead	Lead	PEX	Copper	2020-11-24	2020-11-24	No		2020-11-25	6.92	2020-12-08												
5080518	CEP_03	CEP_03	3805	WILKSBORO ST	Lead	Lead	PEX	Copper	2020-11-25	2020-11-25	No		2020-11-26	19.9	2020-12-08	2021-03-13	1.41	2021-03-22									
5080534	CEP_03	CEP_03	3829	OSWEGO ST	Lead	Lead	PEX	Copper	2020-11-27	2020-11-27	No		2020-11-29	ND	2020-12-29												
5063484	CEP_03	CEP_03	1115	FREDONIA ST	Lead	Lead	PEX	Copper	2020-11-27	2020-11-27	No		2020-12-01	9.75	2020-12-14												
5020838	CEP_03	CEP_03	4369	STANTON AVE	Lead	Lead	PEX	Copper	2020-12-02	2020-12-02	No		2020-12-02	4.41	2020-12-29												
5074180	CEP_03	CEP_03	2706	SPRING GARDEN AVE	Lead	Lead	PEX	Copper	2020-12-02	2020-12-02	No		2020-12-03	ND	2020-12-29												
5049744	SDWMR_2020A	SDWMR_2020A	4124	MURRAY AVE	Unknown	Lead	PEX	Copper	2020-12-02	2020-12-02	No		2020-12-03	1.86	2020-12-29												
5022924	CEP_03	CEP_03	1501	SIMONA DR	Lead	Lead	PEX	Copper	2020-12-04	2020-12-04	No		2020-12-08	3.22	2020-12-29												
5007922	B17_07_A	B17_07_A	3337	PENN AVE	Lead	Copper	PEX	Not Replaced	2020-12-07		No		2020-12-14	ND	2020-12-29												
5040516	CEP_03	CEP_03	7114	JONATHAN PL	Lead	Lead	PEX	Copper	2020-12-07	2020-12-07	No		2021-02-01	8.74	2021-02-09												
5007488	Ops	Urgent LSLR	825	CHEROKEE ST	Lead	Lead	PEX	Copper	2020-12-08	2020-12-10	No	Emergency	2021-01-24	2.06	2021-02-09												
5077793	Urgent LSLR	Urgent LSLR	1508	DAVIS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-12-08	2020-12-08	No	Emergency	2020-12-09	7.25	2020-12-29												
5077794	CEP_03	CEP_03	1506	DAVIS AVE	Lead	Lead	PEX	Copper	2020-12-09	2020-12-09	No		2021-08-31	ND	2021-10-04												
5049773	SDWMR_2020A	SDWMR_2020A	4135	MURRAY AVE	Lead	Lead	PEX	Copper	2020-12-10	2020-12-10	No		2021-05-10	9.28	2021-05-25												
5020737	CEP_03	CEP_03	5557	CAMELIA ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-12-11	2020-12-11	No		2020-12-12	4	2020-12-29												
5054484	Ops	Urgent LSLR	1816	SARAH ST	Lead	Lead	PEX	Copper	2020-12-11	2020-12-11	No	Emergency	2021-01-26	6.2	2021-02-09												
5133078	CEP_03	CEP_03	509	N BEATTY ST	Lead	Lead	PEX	Copper	2020-12-14	2020-12-14	No		2020-12-15	2.52	2021-01-06												
5027050	CEP_03	CEP_03	6114	SAINT MARIE ST	Lead	Copper	PEX	Not Replaced	2020-12-15		No		2020-12-18	3.01	2021-01-11												
5051486	CEP_03	CEP_03	24	KOSCIUSKO WAY	Lead	Lead	PEX	Copper	2020-12-15	2020-12-15	No		2020-12-18	5.24	2021-01-11												
5031961	SDWMR_2020B	SDWMR_2020B	7215	TILDEN ST	Lead	Lead	PEX	Copper	2020-12-15	2020-12-15	No		2020-12-20	ND	2021-01-11												
5031963	SDWMR_2020B	SDWMR_2020B	7227	TILDEN ST	Lead	Lead	PEX	Copper	2020-12-15	2020-12-15	No		2020-12-24	ND	2021-01-11												
5026038	SDWMR_2020B	SDWMR_2020B	1106	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2020-12-16	2020-12-16	No		2020-12-17	4.93	2021-01-11												
5014745	CEP_03	CEP_03	4918	SCIOTA ST	Lead	Lead	PEX	Copper	2020-12-16	2020-12-16	No		2021-02-22	1.35	2021-03-03												
5069823	CEP_03	CEP_03	43	OVERLOOK ST	Lead	Copper	PEX	Not Replaced	2020-12-28		No		2021-01-02	ND	2021-01-19												
5078056	CEP_03	CEP_03	3432	FLEMING AVE	Lead	Copper	PEX	Not Replaced	2020-12-29		No		2021-01-03	1.03	2021-01-19												
5030916	CEP_03	CEP_03	6925	WILTSIE ST	Lead	Copper	PEX	Not Replaced	2020-12-29		No		2021-01-04	1.37	2021-01-25												
5052180	CEP_03	CEP_03	2852	BERG ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2020-12-30	2020-12-30	No		2021-01-01	6.44	2021-01-19												
5032837	SDWMR_2020B	SDWMR_2020B	1515	N HOMEWOOD AVE	Lead	Lead	PEX	Copper	2021-03-15	2021-01-15	No		2021-03-19	1.03	2021-04-05												
5039047	SDWMR_2020A	SDWMR_2020A	5820	MORROWFIELD AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2021-01-19	2021-01-19	No		2021-03-17	ND	2021-03-22												
5039096	SDWMR_2020A	SDWMR_2020A	5832	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2021-01-19	2021-01-19	No		2021-01-29	2.04	2021-02-09												
5027497	Urgent LSLR	Urgent LSLR	508	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2021-01-19	2021-01-19	No	Emergency	2021-01-20	2.45	2021-02-02												
5039100	SDWMR_2020A	SDWMR_2020A	5850	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2021-01-20	2021-01-20	No		2021-01-21	45.7	2021-02-02	2021-04-29	ND	2021-05-10									
5040051	SDWMR_2020A	SDWMR_2020A	3310	SHADY AVENUE EXT	Lead	Lead	PEX	Copper	2021-01-20	2021-01-20	No		2021-01-25	ND	2021-02-09												
5026492	CEP_03	CEP_03	817	FARRAGUT ST	Lead	Lead	PEX	Copper	2021-01-21	2021-01-21	No		2021-03-14	6.94	2021-03-22												
5039098	SDWMR_2020A	SDWMR_2020A	5840	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2021-01-21	2021-01-21	No		2021-12-31	ND	2022-01-10												
5014760	Ops	Urgent LSLR	4911	SCIOTA ST	Lead	Lead	PEX	Copper	2021-01-22	2021-01-23	No	Emergency	2021-01-24	178	2021-02-16	2021-01-25	ND	2021-02-16									
5026493	Urgent LSLR	Urgent LSLR	815	FARRAGUT ST	Lead	Lead	PEX	Copper	2021-01-22	2021-01-22	No	Emergency	2021-01-28	ND	2021-02-09												
5039052	SDWMR_2020A	SDWMR_2020A	5806	MORROWFIELD AVE	Copper	Lead	PEX	Copper	2021-01-22	2021-01-22	No		2021-01-31	ND	2021-02-16												
5039072	SDWMR_2020A	SDWMR_2020A	5846	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2021-01-22	2021-01-22	No		2021-01-23	2.94	2021-02-02												
5039069	SDWMR_2020A	SDWMR_2020A	5852	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2021-01-25	2021-01-25	No		2021-01-26	3.28	2021-02-09												
5039064	SDWMR_2020A	SDWMR_2020A	5872	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2021-01-25	2021-01-25	No		2021-01-26	8.64	2021-02-09												
5026495	Urgent LSLR	Urgent LSLR	811	FARRAGUT ST	Lead	Lead	PEX	Copper	2021-01-25	2021-01-25	No	Emergency	2021-03-22	ND	2021-03-29												
5039089	SDWMR_2020A	SDWMR_2020A	5831	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2021-01-25	2021-01-25	No		2021-02-20	ND	2021-03-03												
5029971	SDWMR_2020B	SDWMR_2020B	6917	ODESSA PL	Lead	Copper	PEX	Copper	2021-01-26	2021-01-26	No		2021-07-05	7.81	2021-08-09												
5039063	SDWMR_2020A	SDWMR_2020A	5878	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2021-01-26	2021-01-26	No		2021-05-04	ND	2021-05-25												
5039061	SDWMR_2020A	SDWMR_2020A	5845	BURCHFIELD AVE	Lead	Lead	PEX	Copper	2021-01-26	2021-01-26	No		2021-03-21	ND	2021-05-13												
5004720	CEP_03	CEP_03	400	CATO ST	Lead	Lead	PEX	Copper	2021-01-26	2021-01-26	No		2021-01-27	73.8	2021-02-09	2021-05-24	ND	2021-06-14									
5023190	CEP_03	CEP_03	1139	DOWNLOOK ST	Lead Tailpiece	Lead	PEX	Copper	2021-01-27	2021-01-27	No		2021-01-28	3.92	2021-02-09												
5039049	SDWMR_2020A	SDWMR_2020A	5816	MORROWFIELD AVE	Lead	Lead	PEX	Copper	2021-01-27	2021-01-27	No		2021-01-29	1.38	2021-02-09												
5008571	CEP_03	CEP_03	3415	FLAVIAN ST	Lead	Lead	PEX	Copper	2021-01-27	2021-01-27	No																

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrfrom Lab5
5031456	SDWMR 2020B	SDWMR 2020B	7126	LEMINGTON AVE	Lead	Copper	PEX	Not Replaced	2021-02-24		No		2021-06-17	ND	2021-07-06												
5039551	SDWMR 2020A	SDWMR 2020A	6427	MONITOR ST	Lead	Lead	PEX	Copper	2021-02-25	2021-02-25	No		2021-02-28	1.45	2021-03-15												
5039074	SDWMR 2020A	SDWMR 2020A	5824	BURCHFIELD AVE	Lead	Copper	PEX	Not Replaced	2021-02-25		No		2021-02-27	ND	2021-03-15												
5039580	SDWMR 2020A	SDWMR 2020A	6458	MONITOR ST	Copper	Lead	PEX	Copper	2021-02-26	2021-02-26	No		2021-02-26	ND	2021-03-15												
5039579	SDWMR 2020A	SDWMR 2020A	6464	MONITOR ST	Lead	Lead	PEX	Copper	2021-02-26	2021-02-26	No		2021-02-27	1.97	2021-03-15												
5039584	SDWMR 2020A	SDWMR 2020A	6440	MONITOR ST	Lead	Lead	PEX	Copper	2021-02-26	2021-02-26	No		2021-02-27	15	2021-03-15	2021-06-04	ND	2021-06-14									
5048285	SDWMR 2019	SDWMR 2019	5149	BLAIR ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2021-03-01	2021-03-01	No		2021-03-02	8.54	2021-03-15												
5039571	SDWMR 2020A	SDWMR 2020A	6486	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-01	2021-03-01	No		2021-03-02	ND	2021-03-15												
5039583	SDWMR 2020A	SDWMR 2020A	6444	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-01	2021-03-01	No		2021-03-06	ND	2021-03-22												
5039590	SDWMR 2020A	SDWMR 2020A	6416	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-01	2021-03-01	No		2021-03-03	3.18	2021-03-15												
5032450	SDWMR 2020B	SDWMR 2020B	7003	UPLAND ST	Lead	Lead	PEX	Copper	2021-03-01	2021-03-01	No		2021-03-02	2.91	2021-03-15												
5032515	SDWMR 2020B	SDWMR 2020B	7018	UPLAND ST	Copper	Lead	PEX	Copper	2021-03-01	2021-03-01	No		2021-03-03	5.15	2021-03-15												
5053458	Ops	Urgent LSLR	95	S 13TH ST	Lead	Lead	PEX	Copper	2021-03-02	2021-03-05	No	Emergency	2021-03-27	ND	2021-04-26												
5032517	SDWMR 2020B	SDWMR 2020B	7014	UPLAND ST	Lead	Lead	PEX	Copper	2021-03-02	2021-03-02	No		2021-03-04	17	2021-03-15	2021-06-20	1.71	2021-07-06									
5048321	SDWMR 2019	SDWMR 2019	5136	BLAIR ST	Lead	Lead	PEX	Copper	2021-03-02	2021-03-02	No		2021-03-03	ND	2021-03-15												
5039591	SDWMR 2020A	SDWMR 2020A	6414	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-03	2021-03-03	No		2021-03-06	3.1	2021-03-22												
5031805	SDWMR 2020B	SDWMR 2020B	7253	LEMINGTON AVE	Lead	Lead	PEX	Copper	2021-03-03	2021-03-03	No		2021-03-03	8.65	2021-03-15												
5032512	SDWMR 2020B	SDWMR 2020B	7024	UPLAND ST	Lead	Lead	PEX	Copper	2021-03-03	2021-03-03	No		2021-03-03	84.9	2021-03-15	2021-06-03	ND	2021-06-14									
5010595	Walnut Street Water Relay	Walnut Street Water Relay	5424	WALNUT ST	Lead	Copper	PEX	Not Replaced	2021-03-03		No		2021-03-04	5.51	2021-04-05												
5039588	SDWMR 2020A	SDWMR 2020A	6420	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-03	2021-03-03	No		2021-03-15	1.67	2021-03-22												
5039586	SDWMR 2020A	SDWMR 2020A	6430	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-03	2021-03-03	No		2021-03-04	8.77	2021-03-15												
5004719	CEP 03	CEP 03	3237	GORMAN WAY	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2021-03-04	2021-03-04	No		2021-04-18	4.38	2021-04-26												
5025122	Ops	Urgent LSLR	1031	KING AVE	Lead	Lead	PEX	Copper	2021-03-04	2021-03-05	No	Emergency	2021-03-18	1.57	2021-04-05												
5048304	Ops	Urgent LSLR	401 1/2	W ELIZABETH ST	Lead	Lead	PEX	Copper	2021-03-04	2021-03-04	No	Emergency	2021-03-15	ND	2021-03-22												
5032465	SDWMR 2020B	SDWMR 2020B	1501	N LANG AVE	Lead	Lead	PEX	Copper	2021-03-04	2021-03-04	No		2021-03-20	ND	2021-03-29												
5010591	Walnut Street Water Relay	Walnut Street Water Relay	5430	WALNUT ST	Lead	Copper	PEX	Not Replaced	2021-03-04		No		2021-12-06	ND	2021-12-20												
5010590	Walnut Street Water Relay	Walnut Street Water Relay	5432	WALNUT ST	Lead	Copper	PEX	Not Replaced	2021-03-04		No		2021-04-26	ND	2021-05-03												
5010510	Walnut Street Water Relay	Walnut Street Water Relay	5406	WALNUT ST	Lead	Copper	PEX	Not Replaced	2021-03-04		No		2021-03-06	ND	2021-03-22												
5039581	SDWMR 2020A	SDWMR 2020A	6452	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-05	2021-03-05	No		2021-03-12	6.44	2021-03-22												
5039572	SDWMR 2020A	SDWMR 2020A	6484	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-05	2021-03-05	No		2021-03-08	ND	2021-03-22												
5029070	Ops	Urgent LSLR	115	MEADOW ST	Lead	Lead	Copper	Copper	2021-03-05	2021-03-08	No	Emergency	2021-03-12	ND	2021-03-22												
5050006	SDWMR 2020A	SDWMR 2020A	960	GREENFIELD AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2021-03-05	2021-03-05	No		2021-03-07	8.25	2021-03-22												
5010597	Walnut Street Water Relay	Walnut Street Water Relay	735	COPELAND ST	Lead	Copper	PEX	Not Replaced	2021-03-05		No		2021-03-07	ND	2021-03-22												
5010584	Walnut Street Water Relay	Walnut Street Water Relay	5442	WALNUT ST	Copper	Lead	Copper	Copper	2021-03-08	2021-03-08	No		2021-03-12	ND	2021-03-22												
5048293	SDWMR 2019	SDWMR 2019	5125	BLAIR ST	Lead	Lead	PEX	Copper	2021-03-08	2021-03-08	No		2021-03-10	ND	2021-03-15												
5050003	SDWMR 2020A	SDWMR 2020A	968	GREENFIELD AVE	Copper	Lead	PEX	Copper	2021-03-08	2021-03-08	No		2021-03-12	ND	2021-03-22												
5048292	SDWMR 2019	SDWMR 2019	5127	BLAIR ST	Lead	Lead	PEX	Copper	2021-03-08	2021-03-08	No		2021-03-09	41.2	2021-03-15	2021-06-25	ND	2021-07-06									
5010508	Walnut Street Water Relay	Walnut Street Water Relay	811	S AIKEN AVE	Lead	Lead	Copper	Copper	2021-03-08	2021-03-08	No		2021-03-11	4.14	2021-03-29												
5039585	SDWMR 2020A	SDWMR 2020A	6434	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-08	2021-03-08	No		2021-03-11	9.21	2021-03-29												
5048466	SDWMR 2019	SDWMR 2019	5154	GLOSTER ST	Copper	Lead	PEX	Copper	2021-03-09	2021-03-09	No		2021-03-11	10.4	2021-03-22	2021-06-12	ND	2021-07-06									
5039552	SDWMR 2020A	SDWMR 2020A	6433	MONITOR ST	Lead	Copper	PEX	Not Replaced	2021-03-09		No		2021-03-12	ND	2021-03-22												
5050018	SDWMR 2020A	SDWMR 2020A	953	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-09	2021-03-09	No		2021-03-12	2.4	2021-03-22												
5050024	SDWMR 2020A	SDWMR 2020A	971	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-10	2021-03-10	No		2021-03-14	1.27	2021-03-22												
5039562	SDWMR 2020A	SDWMR 2020A	6469	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-10	2021-03-10	No		2021-03-11	22.4	2021-03-22	2021-06-23	2.49	2021-07-06									
5048456	SDWMR 2019	SDWMR 2019	5122	GLOSTER ST	PEX	Lead	PEX	Copper	2021-03-11	2021-03-11	No		2021-03-14	ND	2021-03-29												
5050021	SDWMR 2020A	SDWMR 2020A	961	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-11	2021-03-11	No		2021-04-09	3.63	2021-04-19												
5039589	SDWMR 2020A	SDWMR 2020A	6422	MONITOR ST	Lead	Lead	PEX	Copper	2021-03-16	2021-03-16	No		2021-03-25	ND	2021-04-12												
5050019	SDWMR 2020A	SDWMR 2020A	955	GREENFIELD AVE	Copper	Lead	PEX	Copper	2021-03-16	2021-03-16	No		2021-03-19	ND	2021-03-29												
5032820	SDWMR 2020B	SDWMR 2020B	7179	UPLAND ST	Lead	Lead	PEX	Copper	2021-03-16	2021-03-16	No		2021-03-17	2.25	2021-04-05												
5048268	SDWMR 2019	SDWMR 2019	210	W ELIZABETH ST	Lead	Lead	PEX	Copper	2021-03-16	2021-03-16	No		2021-03-18	ND	2021-03-29												
5032604	SDWMR 2020B	SDWMR 2020B	7118	MOUNT VERNON ST	Lead	Lead	PEX	Copper	2021-03-17	2021-03-17	No		2021-03-20	5.96	2021-04-05												
5048267	SDWMR 2019	SDWMR 2019	212	W ELIZABETH ST	PEX	Lead	PEX	Copper	2021-03-17	2021-03-17	No		2021-03-20	ND	2021-03-29												
5050309	SDWMR 2020A	SDWMR 2020A	1151	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-20	2021-03-20	No		2021-03-20	159	2021-03-29	2021-03-29	3.42	2021-04-12									
5047904	SDWMR 2019	SDWMR 2019	5017	LANGHORN ST	Lead	Lead	PEX	Copper	2021-03-22	2021-03-22	No		2021-03-25	ND	2021-04-05												
5032544	SDWMR 2020B	SDWMR 2020B	7146	UPLAND ST	Lead	Lead	PEX	Copper	2021-03-22	2021-03-22	No		2021-03-23	1.31	2021-04-05												
5050250	SDWMR 2020A	SDWMR 2020A	1146	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-23	2021-03-23	No		2021-03-23	18.7	2021-04-12												
5050216	SDWMR 2020A	SDWMR 2020A	1124	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-03-23	2021-03-23	No		2021-03-24	6.97	2021-03-29												
5050218	SDWMR 2020A	SDWMR 2020A	1128	GREENFIELD AVE	Lead	Copper	PEX	Not Replaced	2021-03-23		No		2021-03-25	ND	2021-04-26												
5050052	SDWMR 2020A	SDWMR 2020A	1105	GREENFIELD AVE	Lead	Copper	PEX	Not Replaced																			

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5045652	SDWMR 2020A	SDWMR 2020A	909	GREENFIELD AVE	Lead	Copper	PEX	Not Replaced	2021-04-16		No		2021-04-17	ND	2021-04-26												
5045649	SDWMR 2020A	SDWMR 2020A	912	GREENFIELD AVE	Lead		PEX	Copper	2021-04-16	2021-04-16	No		2021-04-17	1.4	2021-04-26												
5045688	SDWMR 2020A	SDWMR 2020A	731	MCCASLIN ST	Copper	Lead	PEX	Copper	2021-04-16	2021-04-16	No		2021-04-22	2.19	2021-05-03												
5049504	SDWMR 2020A	SDWMR 2020A	916	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-04-20	2021-04-20	No		2021-04-21	ND	2021-05-03												
5045645	SDWMR 2020A	SDWMR 2020A	840	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-04-23	2021-04-23	No		2021-06-29	ND	2021-07-12												
5045691	SDWMR 2020A	SDWMR 2020A	725	MCCASLIN ST	Copper	Lead	PEX	Copper	2021-04-23	2021-04-23	No		2021-04-26	1.85	2021-05-03												
5049521	SDWMR 2020A	SDWMR 2020A	915	GREENFIELD AVE	Copper	Lead	PEX	Copper	2021-04-23	2021-04-23	No		2021-04-28	8.66	2021-05-25												
5050015	SDWMR 2020A	SDWMR 2020A	936	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-04-26	2021-04-26	No		2021-06-07	ND	2021-06-21												
5014430	Ops	Private Reimbursement	345	ROUP AVE	Lead	Lead	PEX	Copper	2021-05-04	2021-04-27	No	Emergency	2021-05-08	3.21	2021-06-07												
5007626	Ops	Urgent LSLR	3204	IOWA ST	Lead	Lead	PEX	Copper	2021-05-03	2021-05-21	No	Emergency	2021-05-24	4.36	2021-06-14												
5045663	SDWMR 2020A	SDWMR 2020A	829	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-05-03	2021-05-03	No		2021-07-09	ND	2021-07-26												
5045662	SDWMR 2020A	SDWMR 2020A	831	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-05-03	2021-05-03	No		2021-05-06	ND	2021-05-17												
5058128	Ops	Urgent LSLR	336	VIRGINIA AVE	Lead	Lead	PEX	Copper	2021-05-03	2021-05-03	No		2021-05-06	1.24	2021-06-07												
5045673	SDWMR 2020A	SDWMR 2020A	803	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-05-03	2021-05-03	No		2021-05-05	ND	2021-05-25												
5045639	SDWMR 2020A	SDWMR 2020A	820	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-05-05	2021-05-05	No		2021-05-07	ND	2021-06-07												
5045670	SDWMR 2020A	SDWMR 2020A	811	GREENFIELD AVE	Lead	Lead	PEX	Copper	2021-05-06	2021-05-06	No		2021-05-07	ND	2021-06-02												
5059745	SDWMR 2020A	SDWMR 2020A	322	MERIDAN ST	Lead	Lead	PEX	Copper	2021-05-10	2021-05-10	No		2021-05-11	9.68	2021-05-25												
5066450	Ops	Private Reimbursement	416	PRESSLEY ST	Lead	Lead	PEX	Copper	2022-09-12	2021-05-22	No		2022-09-25	ND	2022-10-07												
5036356	Wightman Park Phase 2	Wightman Park Phase 2	5648	SOLWAY ST	Lead	Lead	PEX	Copper	2021-05-26	2021-05-26	No		2021-07-19	4.5	2021-07-26												
5036353	Wightman Park Phase 2	Wightman Park Phase 2	5642	SOLWAY ST	Lead	Lead	PEX	Copper	2021-06-02	2021-06-02	No		2021-06-07	ND	2021-06-21												
5036354	Wightman Park Phase 2	Wightman Park Phase 2	5644	SOLWAY ST	Lead	Lead	PEX	Copper	2021-06-02	2021-06-02	No		2021-06-05	9.29	2021-07-06												
5061491	SDWMR 2020A	SDWMR 2020A	97	WESTWOOD ST	Lead	Lead	PEX	Copper	2021-06-03	2021-06-03	No		2021-06-04	ND	2021-06-14												
5061494	SDWMR 2020A	SDWMR 2020A	103	WESTWOOD ST	Lead	Lead	PEX	Copper	2021-06-04	2021-06-04	No		2021-06-05	1.13	2021-06-21												
5061495	SDWMR 2020A	SDWMR 2020A	105	WESTWOOD ST	Lead	Copper	PEX	Not Replaced	2021-06-08		No		2021-06-09	1.26	2021-07-06												
5061490	SDWMR 2020A	SDWMR 2020A	93	WESTWOOD ST	Lead	Lead	PEX	Copper	2021-06-08	2021-06-08	No		2021-06-11	1.32	2021-06-21												
5061496	SDWMR 2020A	SDWMR 2020A	107	WESTWOOD ST	Lead	Copper	PEX	Not Replaced	2021-06-09		No		2021-06-10	12.8	2021-06-21												
5052382	SDWMR 2019	SDWMR 2019	2414	SALISBURY ST	Lead	Lead	PEX	Copper	2021-06-14	2021-06-14	No		2021-06-15	3.96	2021-08-02												
5045419	Ops	Urgent LSLR	422	KAERCHER ST	Lead	Lead	PEX	Copper	2021-06-16	2021-06-28	No	Emergency	2021-06-29	ND	2021-07-12												
5052385	SDWMR 2019	SDWMR 2019	2420	SALISBURY ST	Lead	Lead	PEX	Copper	2021-06-16	2021-06-16	No		2021-06-17	1.46	2021-07-12												
5059493	SDWMR 2020A	SDWMR 2020A	233	SMITH WAY	Lead	Lead	PEX	Copper	2021-06-16	2021-06-16	No		2021-06-17	3.5	2021-07-06												
5012700	Ops	Urgent LSLR	4512	MINERVA ST	Lead	Lead	PEX	Copper	2021-06-17	2021-06-30	No	Emergency	2021-08-02	2.67	2021-08-23												
5059488	SDWMR 2020A	SDWMR 2020A	230	SMITH WAY	Lead	Lead	PEX	Copper	2021-06-17	2021-06-17	No		2021-06-30	ND	2021-07-26												
5019663	Ops	Private Reimbursement	5347	WATERFORD ST	Lead	Lead	PEX	Copper	2021-06-18	2021-06-18	No		2021-08-26	ND	2021-09-13												
5059485	SDWMR 2020A	SDWMR 2020A	224	SMITH WAY	Lead	Lead	PEX	Copper	2021-06-21	2021-06-21	No		2021-06-25	ND	2021-07-06												
5052057	SDWMR 2019	SDWMR 2019	2321	SALISBURY ST	Copper	Lead	PEX	Copper	2021-06-21	2021-06-21	No		2021-06-23	1.35	2021-07-12												
5059495	SDWMR 2020A	SDWMR 2020A	227	SMITH WAY	Lead	Lead	PEX	Copper	2021-06-21	2021-06-21	No		2021-06-23	7.51	2021-07-12												
5049903	Ops	Private Reimbursement	739	LORETTA ST	Lead	Lead	PEX	Copper	2021-06-22	2021-06-29	No		2021-07-15	4.1	2021-08-02												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recrfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recrfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recrfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recrfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recrfrom Lab5
5052219	SDWMR 2019	SDWMR 2019	2721	SUMNER ST	Lead	Lead	PEX	Copper	2021-08-25	2021-08-25	No		2021-08-29	ND	2021-09-20												
5052217	SDWMR 2019	SDWMR 2019	2727	SUMNER ST	Lead	Lead	PEX	Copper	2021-08-25	2021-08-25	No		2021-08-27	1.06	2021-09-13												
5051737	SDWMR 2019	SDWMR 2019	2616	SUMNER ST	Lead	Lead	PEX	Copper	2021-08-30	2021-08-30	No		2021-09-03	1.76	2021-09-20												
5052213	SDWMR 2019	SDWMR 2019	2735	SUMNER ST	Lead	Copper	PEX	Not Replaced	2021-09-02		No		2021-09-04	1.21	2021-09-20												
5012449	Maryland Ave GI	Maryland Ave GI	5752	KENTUCKY AVE	Lead	Lead	PEX	Copper	2021-09-03	2021-09-03	No		2021-11-08	ND	2021-12-20	2021-11-15	1.13	2021-11-22									
5051742	SDWMR 2019	SDWMR 2019	2715	SUMNER ST	Lead	Copper	Copper	Copper	2021-09-08	2021-09-08	No		2021-09-09	7.15	2021-09-20												
5051741	SDWMR 2019	SDWMR 2019	2713	SUMNER ST	Lead	Copper	PEX	Not Replaced	2021-09-09		No		2021-09-12	1.86	2021-09-20												
5000720	BRT	BRT	2033	FORBES AVE	Lead	Copper	PEX	Not Replaced	2021-09-10		No		2021-09-14	ND	2021-09-27												
5052103	SDWMR 2019	SDWMR 2019	2703	BURHAM ST	Lead	Lead	PEX	Copper	2021-09-13	2021-09-13	No		2021-09-14	21	2021-10-04	2021-12-15	9.31	2022-01-04									
5000771	BRT	BRT	2024	FORBES AVE	Copper	Lead	PEX	Copper	2021-09-14	2021-09-14	No		2021-09-16	ND	2021-10-04												
5051936	SDWMR 2019	SDWMR 2019	2601	BURHAM ST	Copper	Lead	PEX	Copper	2021-09-15	2021-09-15	No		2021-09-17	5.36	2021-10-04												
5051934	SDWMR 2019	SDWMR 2019	2512	BURHAM ST	Lead	Lead	PEX	Copper	2021-09-16	2021-09-16	No		2021-10-10	ND	2021-10-26												
5051930	SDWMR 2019	SDWMR 2019	2424	BURHAM ST	Lead	Lead	PEX	Copper	2021-09-20	2021-09-20	No		2021-09-21	2.56	2021-10-04												
5051597	SDWMR 2019	SDWMR 2019	2415	BURHAM ST	Lead	Lead	PEX	Copper	2021-09-20	2021-09-20	No		2021-09-24	1.47	2021-10-04												
5000709	BRT	BRT	2018	5TH AVE	Lead	Lead	PEX	Copper	2021-09-20	2021-09-20	No		2021-09-20	27.2	2021-10-04												
5000710	BRT	BRT	2020	5TH AVE	Lead	Lead	PEX	Copper	2021-09-20	2021-09-20	No		2021-09-22	3.35	2021-10-04												
5053088	Ops	Private Reimbursement	15	S 14TH ST	Lead	Lead	PEX	Copper	2021-10-06	2021-11-01	No	Emergency	2022-04-06	2.66	2022-04-14												
5030246	Ops	Urgent LSLR	529	FINLEY ST	Lead	Lead	PEX	Copper	2021-10-18	2021-10-25	No	Emergency	2021-11-15	ND	2021-12-06												
5051734	SDWMR 2020B	SDWMR 2020B	2619	SUMNER ST	Lead	Copper	PEX	Not Replaced	2021-10-19		No		2021-10-22	1.07	2021-11-08												
5051744	SDWMR 2020B	SDWMR 2020B	2722	STROMBERG ST	Copper	Lead	PEX	Copper	2021-10-20	2021-10-20	No		2021-10-22	2.21	2021-11-08												
5030887	Ops		6929	CHURCHLAND ST	Lead	Copper	PEX	Not Replaced	2021-10-25		No	Emergency	2021-10-27	ND	2021-11-15	2021-10-27	2.27	2021-11-15									
5036834	Ops	Urgent LSLR	1545	ASBURY PL	Lead	Lead	PEX	Copper	2021-10-26	2021-11-15	No		2021-11-17	ND	2021-12-06												
5012082	Ops	Private Reimbursement	420	STRATTON LN	Lead	Lead	PEX	Copper	2021-10-28	2021-10-28	No	Emergency	2021-11-02	ND	2021-11-15												
5041021	Ops	Urgent LSLR	502	GETTYSBURG ST	Lead	Lead	PEX	Copper	2021-11-01	2021-11-17	No	Emergency	2021-11-18	3.56	2021-11-29												
5036329	Wightman Park Phase 2	Wightman Park Phase 2	5702	WOODMONT ST	Lead	Lead	PEX	Copper	2021-11-02	2021-11-02	No		2021-11-08	2.67	2021-11-29												
5014988	Ops	Urgent LSLR	440	S AIKEN AVE	Lead	Lead	PEX	Copper	2021-11-09	2021-12-09	No		2022-01-06	ND	2022-01-25												
5039481	Ops	Urgent LSLR	6349	MONITOR ST	Lead	Lead	PEX	Copper	2021-11-11	2021-11-11	No		2022-01-12	ND	2022-02-03												
5064004	Ops		3127	BRUNOT AVE	Lead	Copper	PEX	Not Replaced	2021-11-15		No	Emergency	2022-01-14	1	2022-02-03												
5051576	SDWMR 2020B	SDWMR 2020B	76	HOLT ST	Copper	Lead	PEX	Copper	2021-11-23	2021-11-23	No		2021-11-25	1.08	2021-12-20	2021-11-25	2.56	2021-12-20									
5013989	Ops	Urgent LSLR	4773	SCIOTA ST	Lead	Lead	PEX	Copper	2021-11-30	2021-12-10	No	Emergency	2021-12-11	1.57	2021-12-20												
5052307	Ops	Urgent LSLR	1611	STERLING ST	Lead	Lead	PEX	Copper	2021-12-20	2021-12-22	No	Emergency	2022-02-14	ND	2022-03-07												
5051903	Ops	Urgent LSLR	1314	STERLING ST	Lead	Lead	PEX	Copper	2022-01-10	2022-01-22	No	Emergency	2022-01-24	8.32	2022-02-08												
5073252	Ops	Urgent LSLR	1915-1917	ROCKLEDGE ST	Lead	Lead	PEX	Copper	2022-01-13	2022-01-15	No		2022-01-17	ND	2022-02-08												
5035986	Ops	Urgent LSLR	1310	MURRAY AVE	Lead	Lead	PEX	Copper	2022-01-21	2022-01-22	No	Emergency	2022-01-22	9.44	2022-02-08												
5121908	Urgent Water	Urgent Water	828	STANTON AVENUE	Copper	Lead	PEX	Copper	2022-02-01	2022-02-02	Yes	Emergency	2022-02-12	ND	2022-02-21												
5067844	Ops	Urgent LSLR	1406	FIRTH ST	Lead	Lead	PEX	Copper	2022-02-07	2022-02-10	No	Emergency	2022-02-11	ND	2022-02-21												
5022951	Ops	Urgent LSLR	1434	WOODBINE ST	Lead	Lead	PEX	Copper	2022-02-14	2022-02-17	No	Emergency	2022-02-23	3.71	2022-03-14												
5000290	BRT	BRT	1042	5TH AVE	Copper	Lead	PEX	Copper	2022-02-16	2022-02-16	No		2022-02-17	1.01	2022-03-07												
5042127	Ops		619	KIRTLAND ST	Lead	Copper	PEX	Not Replaced	2022-02-24		No	Emergency	2022-05-12	ND	2022-05-27												
5037597	Ops	Urgent LSLR 2	1906	WIGHTMAN ST	Lead	Lead	PEX	Copper	2022-03-03	2022-03-04	No	Emergency	2022-03-05	2300	2022-03-21												
5065154	Ops	Urgent LSLR 2	1331	SHEFFIELD ST	Lead	Lead	PEX	Copper	2022-03-21	2022-03-23	No	Emergency	2022-03-28	2.17	2022-04-26												
5038698	Ops	Urgent LSLR 2	5666	MELVIN ST	Lead	Lead	PEX	Copper	2022-03-29	2022-03-31	No	Emergency	2022-04-04	ND	2022-04-14												
5028129	Ops		1110	DE VICTOR PL	Lead	Copper	PEX	Not Replaced	2022-03-31		No	Emergency	2022-04-04	1.95	2022-04-14												
5044273	Priority	Priority	945	MILTON ST	Lead	Lead	PEX	Copper	2022-04-04	2022-04-04	No		2022-04-07	1.91	2022-04-14												
5044221	Priority	Priority	707	S BRADDOCK AVE	Lead	Lead	PEX	Copper	2022-04-05	2022-04-05	No		2022-04-06	5.47	2022-04-14												
5044084	Priority	Priority	701	S BRADDOCK AVE	Lead	Lead	PEX	Copper	2022-04-06	2022-04-06	No		2022-04-21	2.18	2022-05-05												
5026325	SDWMR 2021_B	SDWMR 2021_B	839	N SAINT CLAIR ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-04-08	2022-04-08	No		2022-04-10	ND	2022-04-25												
5006153	Ops	Urgent LSLR 2	7	MCCLAREN ST	Lead	Lead	PEX	Copper	2022-04-11	2022-04-13	No	Emergency	2022-04-14	4.69	2022-05-05												
5026315	Priority	Priority	822	MELLON ST	Lead	Lead	PEX	Copper	2022-04-11	2022-04-11	No		2022-04-12	ND	2022-04-25												
5026429	Priority	Priority	815	N BEATTY ST	Lead	Lead	PEX	Copper	2022-04-12	2022-04-12	No		2022-04-13	ND	2022-04-25												
5062361	D04_02	D04_02	907	HERSCHEL ST	Lead	Lead	PEX	Copper	2022-04-12	2022-04-12	No		2022-06-01	10.4	2022-07-01												
5062357	D04_02	D04_02	904	HERSCHEL ST	Lead	Lead	PEX	Copper	2022-04-14	2022-04-14	No		2022-04-14	ND	2022-04-25												
5028457	Priority	Priority	6319	STANTON AVE	Lead	Lead	PEX	Copper	2022-04-14	2022-04-14	No		2022-04-18	ND	2022-04-25												
5062624	D04_02	D04_02	726	HERSCHEL ST	Lead	Copper	PEX	Not Replaced	2022-04-15		No		2022-04-16	446	2022-04-25	2022-05-08	7.9	2022-05-16									
5062648	D04_02	D04_02	608	HERSCHEL ST	Lead	Lead	PEX	Copper	2022-04-18	2022-04-18	No		2022-04-21	11.9	2022-05-05	2022-08-01	22	2022-05-16	2022-10-20	5.8	2022-10-27						
5024826	Priority	Priority	1139	KING AVE	Lead	Lead	PEX	Copper	2022-04-18	2022-04-18	No		2022-04-24	3.12	2022-05-05												
5025868	Priority	Priority	5709	WELLESLEY AVE	Lead	Lead	PEX	Copper	2022-04-19	2022-04-19	No		2022-04-22	8.24	2022-05-05												
5025867	Priority	Priority	5711	WELLESLEY AVE	Lead	Copper	PEX	Not Replaced	2022-04-19		No		2022-04-21	ND	2022-05-05												
5062634	D04_02	D04_02	707	HERSCHEL ST	Lead	Copper	PEX	Not Replaced	2022-04-20		No		2022-06-03	2.89	2022-06-15												
5025181	Priority	Priority	1118	KING AVE	Lead	Lead	PEX	Copper	2022-04-20	2022-04-20	No		2022-04-22	57	2022-05-05	2022-06-10	24.4	2022-06-20	2022-10-27	6	2022-11-03						
5062635	D04_02	D04_02	715	HERSCHEL ST	Lead	Copper	PEX																				

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5007650	Ops	Urgent LSLR_2	4307	DAKOTA ST	Lead	Lead	PEX	Copper	2022-05-05	2022-05-11	No	Emergency	2022-05-12	4.7	2022-05-27												
5016258	Priority	Priority	276	46TH ST	Lead	Lead	PEX	Copper	2022-05-05	2022-05-05	No		2022-05-07	3.21	2022-05-27												
5016722	SDWMR_2021_B	SDWMR_2021_B	4221	SHERROD ST	PEX	Lead	PEX	Copper	2022-05-05	2022-05-05	No		2022-05-13	ND	2022-05-27												
5024632	Priority	Priority	201	N GRAHAM ST	Lead	Lead	PEX	Copper	2022-05-09	2022-05-09	No		2022-05-22	ND	2022-06-03												
5012728	Priority	Priority	418	TAYLOR ST	Lead	Lead	PEX	Copper	2022-05-09	2022-05-09	No		2022-05-11	2.95	2022-05-27												
5061920	D04_02	D04_02	93	STEBEN ST	Lead	Lead	PEX	Copper	2022-05-10	2022-05-10	No		2022-05-12	15.6	2022-05-27	2022-08-16	3.54	2022-08-29									
5042133	Priority	Priority	605	KIRTLAND ST	Lead	Lead	PEX	Copper	2022-05-10	2022-05-10	No		2022-07-11	1.08	2022-07-21												
5016539	Priority	Priority	318	42ND ST	Lead	Lead	PEX	Copper	2022-05-12	2022-05-12	No		2022-05-13	19.5	2022-06-01	2022-08-13	3.06	2022-08-22									
5040219	McPherson Blvd Relay	McPherson Blvd Relay	6702	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-12	2022-05-12	No		2022-06-28	ND	2022-07-01												
5040241	McPherson Blvd Relay	McPherson Blvd Relay	6705	MCPHERSON BLVD	Copper	Lead	PEX	Copper	2022-05-12	2022-05-12	No		2022-05-17	ND	2022-06-01												
5017483	Ops	Private Reimbursement	397	40TH ST	Lead	Lead	PEX	PEX	2022-06-27	2022-05-13	No	Emergency	2022-08-15	1.27	2022-08-29												
5017316	SDWMR_2021_B	SDWMR_2021_B	4563	CARROLL ST	Copper	Lead	PEX	Copper	2022-05-13	2022-05-13	No		2022-05-14	ND	2022-05-27												
5040240	McPherson Blvd Relay	McPherson Blvd Relay	6707	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-13	2022-05-13	No		2022-05-13	ND	2022-05-27	2022-05-14	ND	2022-05-27									
5016743	SDWMR_2021_B	SDWMR_2021_B	4232	SHERROD ST	Lead	Lead	PEX	Copper	2022-05-13	2022-05-13	No		2022-05-16	ND	2022-06-01												
5016744	SDWMR_2021_B	SDWMR_2021_B	413	42ND ST	Lead	Lead	PEX	Copper	2022-05-16	2022-05-16	No		2022-05-20	21.6	2022-06-01	2023-01-21	3.09	2023-03-09									
5026391	SDWMR_2021_B	SDWMR_2021_B	816	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-05-16	2022-05-16	No		2022-05-23	ND	2022-06-10												
5035713	Priority	Priority	718	S LINDEN AVE	Lead	Lead	PEX	Copper	2022-05-16	2022-05-16	No		2022-05-20	ND	2022-06-01												
5015369	Centre Ave Relay	Centre Ave Relay	4917	CENTRE AVE	Lead	Copper	PEX	Not Replaced	2022-05-17		No		2022-05-18	2.18	2022-06-10												
5017321	SDWMR_2021_B	SDWMR_2021_B	4573	CARROLL ST	Lead	Lead	PEX	Copper	2022-05-17	2022-05-17	No		2022-07-25	ND	2022-08-01												
5029127	Priority	Priority	609	THOMPSON ST	Lead	Copper	PEX	Not Replaced	2022-05-17		No		2022-07-11	14.1	2022-07-21												
5017002	SDWMR_2021_B	SDWMR_2021_B	418	42ND ST	Lead	Copper	PEX	Not Replaced	2022-05-17		No		2022-05-18	ND	2022-06-01												
5062253	D04_02	D04_02	1127	STEBEN ST	Lead	Copper	PEX	Not Replaced	2022-05-17		No		2022-05-29	1.02	2022-06-15												
5040239	McPherson Blvd Relay	McPherson Blvd Relay	6709	MCPHERSON BLVD	Lead	Copper	PEX	Not Replaced	2022-05-17		No		2022-05-20	ND	2022-06-01												
5016721	SDWMR_2021_B	SDWMR_2021_B	4223	SHERROD ST	Copper	Lead	PEX	Copper	2022-05-17	2022-05-17	No		2022-05-20	ND	2022-06-01												
5036434	Priority	Priority	5841	FERREE ST	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-06-29	1.16	2022-07-01												
5026385	SDWMR_2021_B	SDWMR_2021_B	830	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-12-13	ND	2022-12-21												
5026358	SDWMR_2021_B	SDWMR_2021_B	829	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-05-18	1.36	2022-06-24												
5040238	McPherson Blvd Relay	McPherson Blvd Relay	6713	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-05-22	ND	2022-06-03												
5040221	McPherson Blvd Relay	McPherson Blvd Relay	6708	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-05-19	ND	2022-06-10												
5017317	SDWMR_2021_B	SDWMR_2021_B	4565	CARROLL ST	Lead	Lead	PEX	Copper	2022-05-18	2022-05-18	No		2022-05-19	1.7	2022-06-01												
5062373	D04_02	D04_02	1215	ARNOLD ST	Copper	Lead	PEX	Copper	2022-05-19	2022-05-19	No		2022-05-23	ND	2022-06-03												
5040237	McPherson Blvd Relay	McPherson Blvd Relay	6715	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-19	2022-05-19	No		2022-05-19	ND	2022-06-03	2022-05-31	ND	2022-06-27									
5040313	McPherson Blvd Relay	McPherson Blvd Relay	6710	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-05-19	2022-05-19	No		2022-05-20	ND	2022-06-01												
5026356	SDWMR_2021_B	SDWMR_2021_B	823	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-05-19	2022-05-19	No		2022-07-07	1.88	2022-07-14												
5016724	SDWMR_2021_B	SDWMR_2021_B	4217	SHERROD ST	Lead	Copper	PEX	Not Replaced	2022-05-20		No		2022-05-23	ND	2022-06-03												
5036849	Priority	Priority	5746	AYLESBORO AVE	Lead	Lead	Copper	Copper	2022-06-03	2022-05-20	No		2022-06-07	2.09	2022-06-20												
5065150	Ops		1321	SHEFFIELD ST	Lead	Lead	PEX	PEX	2022-05-23	2022-05-23	No	Emergency	2022-09-19	ND	2022-09-25												
5017307	SD																										

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5040298	McPherson Blvd Relay	McPherson Blvd Relay	220	N LINDEN AVE	Lead	Lead	PEX	Copper	2022-06-08	2022-06-08	No		2022-06-10	ND	2022-06-24												
5017030	SDWMR 2021_B	SDWMR 2021_B	4201	POST ST	Lead	Lead	PEX	Copper	2022-06-09	2022-06-09	No		2022-07-15	2.53	2022-07-28												
5017893	SDWMR 2021_B	SDWMR 2021_B	4610	CARROLL ST	Lead	Lead	PEX	Copper	2022-06-09	2022-06-09	No		2022-06-11	ND	2022-06-24												
5026333	SDWMR 2021_B	SDWMR 2021_B	718	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-10	2022-06-10	No		2022-07-18	ND	2022-07-28												
5017892	SDWMR 2021_B	SDWMR 2021_B	4612	CARROLL ST	Lead	Lead	PEX	Copper	2022-06-10	2022-06-10	No		2022-06-12	ND	2022-06-24												
5017065	SDWMR 2021_B	SDWMR 2021_B	4206	POST ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-06-13	2022-06-13	No		2022-07-02	2.03	2022-07-12												
5017328	SDWMR 2021_B	SDWMR 2021_B	4572	CARROLL ST	Copper	Lead	PEX	Copper	2022-06-13	2022-06-13	No		2022-06-16	ND	2022-07-01												
5044373	Priority	Priority	1109	LANCASTER AVE	Lead	Lead	PEX	Copper	2022-06-13	2022-06-13	No		2022-06-15	3.56	2022-07-01												
5035348	Priority	Priority	5457	DUNMOYLE AVE	Lead	Lead	PEX	Copper	2022-06-14	2022-06-14	No		2022-08-07	ND	2022-08-15												
5026863	SDWMR 2021_B	SDWMR 2021_B	707	N SAINT CLAIR ST	Lead	Copper	PEX	Not Replaced	2022-06-14		No		2022-06-15	1.23	2022-07-12												
5026277	SDWMR 2021_B	SDWMR 2021_B	725	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-14	2022-06-14	No		2022-07-15	3.32	2022-07-28												
5017036	SDWMR 2021_B	SDWMR 2021_B	4213	POST ST	Lead	Lead	PEX	Copper	2022-06-15	2022-06-15	No		2022-06-17	47.2	2022-07-01	2022-09-26	ND	2022-10-07									
5017031	SDWMR 2021_B	SDWMR 2021_B	4203	POST ST	Lead	Lead	PEX	Copper	2022-06-15	2022-06-15	No		2022-06-16	ND	2022-07-12												
5036515	Priority	Priority	1515	SHADY AVE	Lead	Lead	PEX	Copper	2022-06-15	2022-06-15	No		2022-06-16	ND	2022-07-01												
5017338	SDWMR 2021_B	SDWMR 2021_B	4552	CARROLL ST	Lead	Lead	PEX	Copper	2022-06-15	2022-06-15	No		2022-06-16	5.91	2022-07-01												
5038581	Priority	Priority	5524	PHILLIPS AVE	Lead	Lead	PEX	Copper	2022-06-16	2022-06-16	No		2022-06-21	2.7	2022-07-01												
5026864	SDWMR 2021_B	SDWMR 2021_B	709	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-16	2022-06-16	No		2022-06-20	1.11	2022-07-01												
5017040	SDWMR 2021_B	SDWMR 2021_B	4221	POST ST	Lead	Lead	PEX	Copper	2022-06-16	2022-06-16	No		2022-06-28	ND	2022-07-01												
5014564	Priority	Priority	4782	CYPRESS ST	Lead	Lead	PEX	Copper	2022-06-16	2022-06-16	No		2022-06-19	1.8	2022-07-01												
5063698	D04_02	D04_02	125	FAIRVIEW AVE	Lead	Copper	PEX	Not Replaced	2022-06-17		No		2022-06-18	ND	2022-07-12												
5017039	SDWMR 2021_B	SDWMR 2021_B	4219	POST ST	Lead	Lead	PEX	Copper	2022-06-20	2022-06-20	No		2022-06-21	ND	2022-07-01												
5017695	SDWMR 2021_B	SDWMR 2021_B	4660	ROSINA WAY	Lead	Copper	PEX	Not Replaced	2022-06-20		No		2022-06-22	ND	2022-07-01												
5062819	D04_02	D04_02	623	SEDAN WAY	Lead	Lead	PEX	Copper	2022-06-20	2022-06-20	No		2022-07-16	1.42	2022-07-28												
5017690	SDWMR 2021_B	SDWMR 2021_B	4648	ROSINA WAY 4650	Lead	Lead	PEX	Copper	2022-06-21	2022-06-21	No		2022-06-22	ND	2022-07-01												
5026328	SDWMR 2021_B	SDWMR 2021_B	833	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-21	2022-06-21	No		2022-06-23	ND	2022-07-01												
5080109	Priority	Priority	3835	MCFARLAND ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-06-22	2022-06-22	No		2022-07-12	1.31	2022-07-21												
5017686	SDWMR 2021_B	SDWMR 2021_B	4564	ROSINA WAY	Lead	Lead	PEX	Copper	2022-06-22	2022-06-22	No		2022-06-23	3.73	2022-07-01												
5039475	Priority	Priority	6367	MONITOR ST	Unknown	Lead	PEX	Copper	2022-06-22	2022-06-22	No		2022-06-26	ND	2022-07-01												
5016771	SDWMR 2021_B	SDWMR 2021_B	4225	POST ST	Lead	Lead	PEX	Copper	2022-06-22	2022-06-22	No		2022-06-25	4.25	2022-07-01												
5016772	SDWMR 2021_B	SDWMR 2021_B	4227	POST ST	Lead	Lead	PEX	Copper	2022-06-22	2022-06-22	No		2022-06-27	6.68	2022-08-01												
5026351	SDWMR 2021_B	SDWMR 2021_B	846	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-23	2022-06-23	No		2022-06-27	1.08	2022-07-01												
5062824	D04_02	D04_02	612	NOBLESTOWN RD	Lead	Copper	PEX	Not Replaced	2022-06-23		No		2022-06-28	ND	2022-07-12												
5080584	Priority_2	Priority_2	3820	OSWEGO ST	Lead	Lead	PEX	Copper	2022-06-24	2022-06-24	No		2022-06-26	2.86	2022-07-01												
5017056	SDWMR 2021_B	SDWMR 2021_B	4224	POST ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-06-27	2022-06-27	No		2022-06-29	9.46	2022-07-12												
5026326	SDWMR 2021_B	SDWMR 2021_B	837	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-06-27	2022-06-27	No		2022-06-29	1.83	2022-07-12												
5017066	SDWMR 2021_B	SDWMR 2021_B	441	42ND ST	Lead	Lead	PEX	Copper	2022-06-27	2022-06-27	No		2022-06-29	ND	2022-07-12												
5002100	Priority	Priority	230	WICK ST	Lead	Lead	PEX	Copper	2022-06-27	2022-06-27	No		2022-06-30	2.43	2022-07-12												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5025819	SDWMR_2021_B	SDWMR_2021_B	910	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-07-27	2022-07-27	No		2023-07-05	ND	2023-07-17												
5017345	Priority_2	Priority_2	4442	MILGATE ST	Lead	Lead	PEX	Copper	2022-07-28	2022-07-28	No		2022-07-30	3.36	2022-08-15												
5047974	Priority	Priority	135	JOHNSTON AVE	Lead	Lead	PEX	Copper	2022-07-28	2022-07-28	No		2022-08-01	ND	2022-08-19												
5068943	Priority_2	Priority_2	1529	HATTERAS ST	Lead	Copper	PEX	Not Replaced	2022-07-29	2022-07-29	No		2022-08-03	69	2022-08-15												
5005067	D02_03	D02_03	3139	WARD ST	Lead	Lead	PEX	Copper	2022-07-29	2022-07-29	No		2022-09-14	ND	2022-09-25												
5035619	Priority_2	Priority_2	1249	DENNISTON ST	Lead	Lead	PEX	Copper	2022-07-29	2022-07-29	No		2022-07-30	1.88	2022-08-15												
5043451	SDWMR_2021_C	SDWMR_2021_C	7221	THOMAS BLVD	Copper	Lead	PEX	Copper	2022-08-01	2022-08-01	No		2022-08-15	2.8	2022-08-26												
5016540	Priority_2	Priority_2	266	42ND ST	Lead	Lead	PEX	Copper	2022-08-01	2022-08-01	No		2022-08-03	1.32	2022-08-15												
5025821	SDWMR_2021_B	SDWMR_2021_B	914	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-08-01	2022-08-01	No		2022-08-17	ND	2022-08-30												
5005065	D02_03	D02_03	3132	WARD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-08-02	2022-08-02	No		2022-08-13	ND	2022-08-26												
5012049	Priority_2	Priority_2	407	S HIGHLAND AVE	Lead	Lead	PEX	Copper	2022-08-02	2022-08-02	No		2022-08-04	2.21	2022-08-15												
5070237	Priority	Priority	434	CATOMA ST	Lead	Lead	PEX	Copper	2022-08-02	2022-08-02	No		2022-11-09	ND	2022-12-01												
5040941	SDWMR_2021_C	SDWMR_2021_C	7143	THOMAS BLVD	Lead	Lead	PEX	Copper	2022-08-03	2022-08-03	No		2022-08-04	2.02	2022-08-15												
5040294	McPherson Blvd Relay	McPherson Blvd Relay	6810	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-03	2022-08-03	No		2022-08-04	2.01	2022-08-19												
5041128	Priority_2	Priority_2	512	S LINDEN AVE	Lead	Lead	PEX	Copper	2022-08-03	2022-08-03	No		2022-08-06	ND	2022-08-15												
5040943	SDWMR_2021_C	SDWMR_2021_C	7141	THOMAS BLVD	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-08-04	2022-08-04	No		2022-08-06	ND	2022-08-30												
5034876	Priority_2	Priority_2	5334	FORBES AVE	Lead	Copper	PEX	Not Replaced	2022-08-04		No		2022-08-05	3.04	2022-08-19												
5040495	McPherson Blvd Relay	McPherson Blvd Relay	6815	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-04	2022-08-04	No		2022-08-06	11.2	2022-08-22												
5052752	Priority	Priority	425	E CARSON ST	Lead	Lead	PEX	Copper	2022-08-04	2022-08-04	No		2022-08-09	1.01	2022-08-22												
5025439	Priority_2	Priority_2	1124	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-08-05	2022-08-05	No		2023-06-03	ND	2023-06-12												
5016924	Priority_2	Priority_2	327	FISK ST	Lead	Lead	PEX	Copper	2022-08-08	2022-08-08	No		2022-09-25	ND	2022-10-06												
5044266	Priority_2	Priority_2	915	MILTON ST	Lead	Lead	PEX	Copper	2022-08-09	2022-08-09	No		2022-09-25	3.47	2022-10-06												
5017457	Priority_2	Priority_2	414	FISK ST	Lead	Lead	PEX	Copper	2022-08-09	2022-08-09	No		2022-09-04	ND	2022-09-16												
5015164	Priority_2	Priority_2	733	BROUGHTON ST	Lead	Lead	PEX	Copper	2022-08-10	2022-08-10	No		2022-08-12	2.09	2022-08-22	2022-08-12	ND	2022-08-22	2022-08-13	ND	2022-08-22						
5016934	Priority_2	Priority_2	347	FISK ST	Lead	Lead	PEX	Copper	2022-08-10	2022-08-10	No		2022-09-23	45.4	2022-09-30	2023-03-11	1.73	2023-03-15									
5042058	Priority_2	Priority_2	6604	WOODWELL ST	Lead	Lead	PEX	Copper	2022-08-11	2022-08-11	No		2022-08-23	6.77	2022-08-30												
5045408	Priority_2	Priority_2	4134	STANLEY ST	Lead	Copper	PEX	Not Replaced	2022-08-12		No		2022-08-13	85.7	2022-08-22	2022-09-06	2.54	2022-09-16									
5004677	D02_03	D02_03	4	HODGE ST	Lead	Copper	PEX	Not Replaced	2022-08-12		No		2022-09-16	ND	2022-09-22												
5040420	McPherson Blvd Relay	McPherson Blvd Relay	6830	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-15	2022-08-15	No		2022-09-02	ND	2022-09-25												
5040947	SDWMR_2021_C	SDWMR_2021_C	7129	THOMAS BLVD	Lead	Copper	PEX	Not Replaced	2022-08-15		No		2022-08-16	4.06	2022-08-29												
5040487	McPherson Blvd Relay	McPherson Blvd Relay	6831	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-15	2022-08-15	No		2022-08-17	6.64	2022-08-30												
5034643	Priority_2	Priority_2	208	GLADSTONE RD	Lead	Lead	PEX	Copper	2022-08-15	2022-08-15	No		2022-08-19	2.22	2022-08-30												
5040422	McPherson Blvd Relay	McPherson Blvd Relay	6834	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-16	2022-08-16	No		2022-08-20	2.86	2022-09-01												
5040489	McPherson Blvd Relay	McPherson Blvd Relay	6827	MCPHERSON BLVD	Lead	Lead	PEX	Copper	2022-08-16	2022-08-16	No		2022-08-18	ND	2022-08-30												
5026246	SDWMR_2021_B	SDWMR_2021_B	714	PORTLAND WAY	Lead	Lead	PEX	Copper	2022-08-16	2022-08-16	No		2022-10-17	ND	2022-10-27												
5066723	D03_01	D03_01	915	MIDDLE ST	Lead	Lead	PEX	Copper	2022-08-16	2022-08-16	No		2022-08-17	28.6	2022-08-30												
5025820	SDWMR_2021_B	SDWMR_2021_B	912	N SAINT CLAIR ST	Copper	Lead	PEX	Copper	2022-08-16	2022-08-16	No		2023-04-12	17.9	2023-04-21												
5025827	SDWMR_2021_B	SDWMR_2021_B	930	N SAINT CLAIR STAN																							

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5033313	Fuchsia Way Sewer	Fuchsia Way Sewer	7322	MONTICELLO ST	Copper	Lead	PEX	Copper	2022-09-13	2022-09-13	No		2022-11-02	2.24	2022-11-21												
5066595	D03_01	D03_01	508	E NORTH AVE	Lead	Copper	PEX	Not Replaced	2022-09-13	2022-09-13	No		2022-09-14	3.79	2022-09-21												
5066449	D03_01	D03_01	418	PRESSLEY ST	Lead	Copper	PEX	Not Replaced	2022-09-14	2022-09-14	No		2022-09-15	1.18	2022-09-22												
5040816	SDWMR_2021_C	SDWMR_2021_C	7039	MEADE PL	Lead	Lead	PEX	Copper	2022-09-14	2022-09-14	No		2022-09-20	1.93	2022-09-28												
5042075	Priority_4	Priority_4	6663	WOODWELL ST	Lead	Lead	PEX	Copper	2022-09-14	2022-09-14	No		2022-09-26	ND	2022-10-07												
5004644	SDWMR_2021_B	SDWMR_2021_B	3422	PARKVIEW AVE	Lead	Lead	PEX	Copper	2022-09-14	2022-09-14	No		2022-09-15	10.1	2022-09-22												
5028070	Priority_3	Priority_3	1345	HEBERTON ST	Lead	Lead	PEX	Copper	2022-09-15	2022-09-15	No		2022-09-19	8.49	2022-09-29												
5004628	SDWMR_2021_B	SDWMR_2021_B	3425	PARKVIEW AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-09-15	2022-09-15	No		2022-09-16	ND	2022-09-22												
5025155	Priority_3	Priority_3	5532	HAMPTON ST	Lead	Lead	PEX	Copper	2022-09-15	2022-09-15	No		2022-10-28	6.46	2022-11-03												
5067310	D03_01	D03_01	910	WETTACH ST	Lead	Lead	PEX	Copper	2022-09-15	2022-09-15	No		2023-09-12	ND	2023-09-20												
5067435	D03_01	D03_01	820-22	PHINEAS WAY	Lead	Lead	PEX	Copper	2022-09-15	2022-09-15	No		2022-09-16	18.2	2022-09-22												
5055689	Ops		19	CRAIGHEAD ST	Lead	Copper	PEX	Not Replaced	2022-09-16	2022-09-16	No	Emergency	2022-09-18	295	2022-09-30	2023-04-27	ND	2023-05-08									
5026434	Priority_3	Priority_3	825	N BEATTY ST	Lead	Lead	PEX	Copper	2022-09-16	2022-09-16	No		2022-09-17	1.17	2022-09-25												
5067267	D03_01	D03_01	854	PHINEAS ST	Lead	Lead	PEX	Copper	2022-09-16	2022-09-16	No		2022-09-25	13.2	2022-10-07	2022-12-27	ND	2023-01-03									
5067287	D03_01	D03_01	856	PHINEAS WAY	Lead	Lead	PEX	Copper	2022-09-16	2022-09-16	No		2022-09-25	ND	2022-10-07												
5025216	Priority_3	Priority_3	1138	N NEGLEY AVE	Lead	Lead	PEX	Copper	2022-09-19	2022-09-19	No		2022-09-20	7.95	2022-09-29												
5044282	Priority_4	Priority_4	960	MILTON ST	Lead	Lead	PEX	Copper	2022-09-19	2022-09-19	No		2022-09-20	1.3	2022-09-30												
5044278	Priority_3	Priority_3	961	MILTON ST	Lead	Lead	PEX	Copper	2022-09-19	2022-09-19	No		2022-09-23	1.51	2022-10-06												
5007228	Priority_3	Priority_3	2944 1/2	WEBSTER AVE	Lead	Lead	PEX	Copper	2022-09-20	2022-09-20	No		2022-09-22	9.53	2022-09-30												
5041399	SDWMR_2021_C	SDWMR_2021_C	7128	MEADE ST	Lead	Lead	PEX	Copper	2022-09-20	2022-09-20	No		2022-09-21	3.25	2022-09-28												
5067263	D03_01	D03_01	844	PHINEAS ST	Lead	Lead	PEX	Copper	2022-09-20	2022-09-20	No		2022-10-04	ND	2022-10-17												
5067030	D03_01	D03_01	1035	VINIAL ST	Lead	Lead	PEX	Copper	2022-09-20	2022-09-20	No		2022-09-23	ND	2022-09-30												
5044290	Priority_3	Priority_3	926	MILTON ST	Lead	Lead	PEX	Copper	2022-09-20	2022-09-20	No		2022-09-21	3.06	2022-09-30												
5019562	Dearborn Water Relay	Dearborn Water Relay	5204	DEARBORN ST	Lead	Copper	PEX	Not Replaced	2022-09-21	2022-09-21	No		2022-09-24	12.3	2022-10-07												
5012705	Priority_3	Priority_3	4523	WERTZ WAY	Lead	Lead	PEX	Copper	2022-09-21	2022-09-21	No		2022-09-22	2.24	2022-09-30												
5004621	SDWMR_2021_B	SDWMR_2021_B	3401	PARKVIEW AVE	Lead	Lead	PEX	Copper	2022-09-21	2022-09-21	No		2022-09-22	2.73	2022-09-28												
5040995	SDWMR_2021_C	SDWMR_2021_C	7135	MEADE ST	Lead	Lead	PEX	Copper	2022-09-21	2022-09-21	No		2022-09-23	5.74	2022-09-30												
5016393	Priority_2	Priority_2	223	40TH ST	Lead	Lead	PEX	Copper	2022-09-21	2022-09-21	No		2022-09-23	8.75	2022-09-30												
5040996	SDWMR_2021_C	SDWMR_2021_C	7123	MEADE ST	Lead	Lead	PEX	Copper	2022-09-21	2022-09-21	No		2022-09-25	9.26	2022-10-06												
5044419	Priority_4	Priority_4	1236	RICHMOND ST	Lead	Lead	PEX	Copper	2022-09-22	2022-09-22	No		2023-02-18	ND	2023-02-28												
5040998	SDWMR_2021_C	SDWMR_2021_C	7115	MEADE ST	Copper	Lead	PEX	Copper	2022-09-22	2022-09-22	No		2023-04-30	2.3	2023-05-08												
5031072	Priority_3	Priority_3	7136	CHURCHLAND ST	Lead	Lead	PEX	Copper	2022-09-22	2022-09-22	No		2022-09-23	1.63	2022-10-06												
5040999	SDWMR_2021_C	SDWMR_2021_C	7117	MEADE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-09-26	2022-09-26	No		2022-09-27	197	2022-10-07	2022-10-27	12.8	2022-11-03									
5043606	Priority_4	Priority_4	7424	RICHLAND PL	Lead	Lead	PEX	Copper	2022-09-26	2022-09-26	No		2022-09-28	47.2	2022-10-07	2022-11-29	ND	2022-12-02									
5004041	SDWMR_2021_B	SDWMR_2021_B	3459	PARKVIEW AVE	Unknown	Lead	PEX	Copper	2022-09-26	2022-09-26	No		2022-09-28	1.6	2022-10-06												
5025171	Priority_4	Priority_4	5571	HAMPTON ST	Lead	Lead	PEX	Copper	2022-09-26	2022-09-26	No		2022-09-29	4.07	2022-10-07												
5079888	Ops	Urgent LSLR 2	3952	MCCLURE AVE	Lead	Lead	PEX	Copper	2022-09-27	2022-10-03	No	Emergency	2022-10-05	1.17	2022-10-17												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5026829	D06_09	D06_09	604	MELLON ST	Lead	Lead	PEX	Copper	2022-10-17	2022-10-17	No		2022-10-29	ND	2022-11-03												
5048612	Priority_4	Priority_4	245	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2022-10-17	2022-10-17	No		2022-10-20	ND	2022-11-03												
5026790	D06_09	D06_09	537	MELLON ST	Lead	Lead	PEX	Copper	2022-10-17	2022-10-17	No		2022-10-18	2.35	2022-10-27												
5015163	Priority_3	Priority_3	737	BROUGHTON ST	Lead	Lead	PEX	Copper	2022-10-17	2022-10-17	No		2022-10-19	4.17	2022-10-27												
5016456	Priority_4	Priority_4	263	FISK ST	Lead	Lead	PEX	Copper	2022-10-18	2022-10-18	No		2022-10-19	1.04	2023-01-12												
5026837	D06_09	D06_09	518	MELLON ST	Lead	Lead	PEX	Copper	2022-10-18	2022-10-18	No		2022-10-19	ND	2022-11-03												
5026792	D06_09	D06_09	541	MELLON ST	Lead	Lead	PEX	Copper	2022-10-18	2022-10-18	No		2022-11-17	1.34	2022-12-01												
5036253	Priority_2	Priority_2	1402	WIGHTMAN ST	Lead	Lead	PEX	Copper	2022-10-18	2022-10-18	No		2022-10-24	5.02	2022-11-03												
5036326	Priority_4	Priority_4	5648	WOODMONT ST	Lead	Lead	PEX	Copper	2022-10-19	2022-10-19	No		2022-10-21	3.65	2022-11-03												
5034553	Priority_4	Priority_4	5244	BEELER ST	Lead	Lead	PEX	Copper	2022-10-20	2022-10-20	No		2022-10-21	2.63	2022-10-27												
5034554	Priority_4	Priority_4	5240	BEELER ST	Lead	Copper	PEX	Not Replaced	2022-10-20	2022-10-20	No		2022-10-22	ND	2022-11-21												
5038683	Priority_4	Priority_4	5647	MELVIN ST	Lead	Lead	PEX	Copper	2022-10-20	2022-10-20	No		2022-11-01	ND	2022-11-14												
5036463	Priority_3	Priority_3	5849	NORTHUMBERLAND ST	Lead	Lead	PEX	Copper	2022-10-20	2022-10-20	No		2022-10-23	4.7	2022-10-27												
5026799	D06_09	D06_09	613	MELLON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-10-21	2022-10-21	No		2022-10-22	2.23	2022-10-27												
5026824	D06_09	D06_09	614	MELLON ST	Lead	Lead	PEX	Copper	2022-10-21	2022-10-21	No		2022-11-17	ND	2022-12-02												
5041935	Priority_3	Priority_3	1441	SEVERN ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-10-21	2022-10-21	No		2022-10-24	11.1	2022-11-03	2023-01-22	1.69	2023-01-27									
5042083	Priority_4	Priority_4	6696	KINSMAN RD	Lead	Lead	PEX	Copper	2022-10-21	2022-10-21	No		2022-10-24	2.4	2022-10-27												
5036983	Priority_4	Priority_4	1629	DENNISTON ST	Lead	Lead	PEX	Copper	2022-10-21	2022-10-21	No		2022-10-31	12.6	2022-11-14	2023-01-29	ND	2023-02-02	2023-04-23	ND	2023-05-15	2023-12-18	4.2	2024-01-02			
5041504	Priority_4	Priority_4	621	HASTINGS ST	Lead	Lead	PEX	Copper	2022-10-24	2022-10-24	No		2022-10-25	13.1	2022-11-03	2023-03-08	ND	2023-03-15									
5026240	D06_09	D06_09	713	MELLON ST	Lead	Copper	PEX	Not Replaced	2022-10-24	2022-10-24	No		2022-10-26	1.4	2022-11-03												
5014762	Priority_3	Priority_3	4907	SCIOTA ST	Lead	Lead	PEX	Copper	2022-10-24	2022-10-24	No		2022-11-10	6.78	2022-12-14	2022-11-10	6.78	2022-12-14									
5026242	D06_09	D06_09	717	MELLON ST	Lead	Copper	PEX	Not Replaced	2022-10-24	2022-10-24	No		2022-10-24	8.05	2022-11-03												
5080269	Ops	Private Reimbursement	3916	RIDDILE ST	Lead	Lead	PEX	Copper	2022-10-28	2022-10-25	No	Emergency	2022-12-09	2.76	2022-12-21												
5026249	D06_09	D06_09	723	MELLON ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-10-25	2022-10-25	No		2022-10-26	4.29	2022-11-03												
5036533	Priority_4	Priority_4	1540	DENNISTON ST	Lead	Lead	PEX	Copper	2022-10-25	2022-10-25	No		2022-10-27	65.1	2022-11-03	2022-11-10	1.06	2022-12-02									
5080608	Priority_4	Priority_4	2011	TERMON AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2022-10-25	2022-10-25	No		2022-12-14	1.77	2022-12-21												
5055662	Priority_4	Priority_4	441	EUREKA ST	Lead	Lead	PEX	Copper	2022-10-25	2022-10-25	No		2022-10-26	2.79	2022-11-14												
5041053	Priority_3	Priority_3	604	HASTINGS ST	Lead	Lead	PEX	Copper	2022-10-26	2022-10-26	No		2023-02-25	ND	2023-03-02												
5026936	D06_09	D06_09	600	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-10-26	2022-10-26	No		2022-10-28	1.91	2022-11-14												
5026937	D06_09	D06_09	602	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-10-26	2022-10-26	No		2022-10-27	1.06	2022-11-03												
5037525	Priority_3	Priority_3	5504	RALEIGH ST	Lead	Lead	PEX	Copper	2022-10-26	2022-10-26	No		2022-10-28	ND	2022-11-03												
5026896	D06_09	D06_09	603	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-10-26	2022-10-26	No		2022-10-27	13.2	2022-11-03	2023-02-23	1.89	2023-03-02									
5078196	Priority_3	Priority_3	3436	SHADELAND AVE	Lead	Lead	PEX	Copper	2022-10-27	2022-10-27	No		2022-11-18	ND	2022-12-01												
5037750	Priority_3	Priority_3	5867	DOUGLAS ST	Lead	Lead	PEX	Copper	2022-10-27	2022-10-27	No		2022-10-28	4.86	2022-11-03												
5026895	D06_09	D06_09	601	N EUCLID AVE	Lead	Lead	PEX	Copper	2022-10-27	2022-10-27	No		2022-10-28	49.7	2022-11-03	2023-02-14	2.89	2023-02-27									
5042315	Priority_3	Priority_3	1631	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2022-10-27	2022-10-27	No		2023-01-14	ND	2023-01-20												
5041950	Priority_4	Priority_4	1436	BARNESDALE ST	Lead	Lead	PEX	Copper	2022-10-28	2022-10-28	No		2022-10-29	1.72	2022-11-11												

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5003462	SDWMR 2021_B	SDWMR 2021_B	3815	PIER ST	Lead	Lead	PEX	Copper	2022-11-23	2022-11-23	No				2022-11-28	13.1	2022-12-02										
5016389	Priority	Priority	4008	SAINT JOHNS WAY	Lead	Lead	PEX	Copper	2022-11-29	2022-11-29	No				2022-12-03	ND	2022-12-15										
5016388	Priority	Priority	4010	SAINT JOHNS WAY	Lead	Lead	PEX	Copper	2022-11-29	2022-11-29	No				2022-12-01	ND	2022-12-15										
5026857	D06_09	D06_09	617	N SAINT CLAIR ST	Lead	Lead	PEX	Copper	2022-11-30	2022-11-30	No				2022-12-02	ND	2022-12-15										
5026769	D06_09	D06_09	606	N NEGLEY AVE	Lead	Lead	PEX	Copper	2022-12-02	2022-12-02	No				2022-12-03	ND	2022-12-15										
5026226	D06_09	D06_09	704	N NEGLEY AVE	Lead	Copper	PEX	Not Replaced	2022-12-05		No				2022-12-05	ND	2022-12-19	2022-12-06	ND	2022-12-15							
5002908	SDWMR 2021_B	SDWMR 2021_B	222	CHESTERFIELD RD	Lead	Lead	PEX	Copper	2022-12-06	2022-12-06	No				2022-12-14	ND	2022-12-21										
5026235	D06_09	D06_09	746	N NEGLEY AVE	Lead	Lead	PEX	Copper	2022-12-07	2022-12-07	No				2023-02-21	ND	2023-02-28										
5003063	SDWMR 2021_B	SDWMR 2021_B	202	CHESTERFIELD RD	Lead	Lead	PEX	Copper	2022-12-08	2022-12-08	No				2022-12-09	1.25	2022-12-15										
5027517	D06_09	D06_09	635	COLLINS AVE	Lead	Lead	PEX	Copper	2022-12-09	2022-12-09	No				2022-12-12	ND	2022-12-19										
5026761	D06_09	D06_09	623	N NEGLEY AVE	Lead	Lead	PEX	Copper	2022-12-09	2022-12-09	No				2022-12-14	1.65	2023-01-09	2022-12-16	1.64	2023-01-03							
5003055	SDWMR 2021_B	SDWMR 2021_B	146	CHESTERFIELD RD	Lead	Lead	PEX	Copper	2022-12-12	2022-12-12	No				2022-12-13	ND	2022-12-21										
5027527	D06_09	D06_09	605	COLLINS AVE	Lead	Lead	PEX	Copper	2022-12-12	2022-12-12	No				2022-12-13	7.19	2022-12-21										
5052903	Ops	Private Reimbursement	1107	E CARSON ST	Lead	Lead	PEX	Copper	2022-12-13	2022-12-14	No	Emergency	2023-02-19	ND	2023-02-28												
5042458	Ops	Urgent LSLR_2	2112	BEECHWOOD BLVD	Lead	Lead	PEX	Copper	2022-12-13	2022-12-16	No	Emergency	2022-12-19	4.68	2023-01-03												
5027083	D06_09	D06_09	6232	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-13	2022-12-13	No				2022-12-14	2.65	2022-12-21										
5027081	D06_09	D06_09	6228 1/2	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-14	2022-12-14	No				2022-12-18	ND	2023-01-20										
5003051	SDWMR 2021_B	SDWMR 2021_B	138	CHESTERFIELD RD	Lead	Lead	PEX	Copper	2022-12-14	2022-12-14	No				2022-12-15	8.03	2022-12-21										
5002927	SDWMR 2021_B	SDWMR 2021_B	235	CHESTERFIELD RD	Lead	Lead	PEX	Copper	2022-12-16	2022-12-16	No				2022-12-19	ND	2022-12-28										
5003046	SDWMR 2021_B	SDWMR 2021_B	128	CHESTERFIELD RD	Lead	Copper	PEX	Not Replaced	2022-12-16		No				2022-12-16	ND	2022-12-28										
5081147	Ops	Private Reimbursement	3728	WAPELLO ST	Lead	Lead	PEX	PEX	2022-12-20	2022-12-19	No	Emergency	2023-02-04	ND	2023-03-09												
5027062	D06_09	D06_09	6211	HUNTRESS ST	Lead	Lead	PEX	Copper	2022-12-19	2022-12-19	No				2023-03-05	ND	2023-04-05										
5027063	D06_09	D06_09	6213	HUNTRESS ST	Lead	Lead	PEX	Copper	2022-12-19	2022-12-19	No				2023-03-28	ND	2023-04-06										
5007378	Urgent LSLR_2	Urgent LSLR_2	3201	CAMP ST	Lead	Lead	PEX	Copper	2022-12-19	2022-12-19	No				2022-12-20	ND	2023-01-03										
5027559	D06_09	D06_09	6212	HUNTRESS ST	Lead	Lead	PEX	Copper	2022-12-20	2022-12-20	No				2022-12-21	ND	2023-01-03										
5027094	D06_09	D06_09	6113-6115	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-20	2022-12-20	No				2022-12-21	8.14	2023-01-03										
5027046	D06_09	D06_09	6104	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-21	2022-12-21	No				2022-12-24	ND	2023-01-09										
5026962	D06_09	D06_09	5817	HAYS ST	Lead	Lead	PEX	Copper	2022-12-21	2022-12-21	No				2023-03-17	ND	2023-04-06										
5027093	D06_09	D06_09	6117	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-21	2022-12-21	No				2022-12-21	1.58	2023-01-12										
5011694	Ops		400	SHADY AVE	Lead	Copper	PEX	Not Replaced	2022-12-22		No	Emergency	2023-03-05	ND	2023-03-15												
5027101	D06_09	D06_09	6047	SAINT MARIE ST	Lead	Lead	PEX	Copper	2022-12-22	2022-12-22	No				2023-01-07	ND	2023-01-17										
5026963	D06_09	D06_09	5815	HAYS ST	Lead	Lead	PEX	Copper	2022-12-22	2022-12-22	No				2022-12-24	2.64	2023-01-09										
5027043	D06_09	D06_09	708	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2022-12-28	2022-12-28	No				2022-12-31	ND	2023-01-09	2023-01-23	ND	2023-02-13							
5027039	D06_09	D06_09	628	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2022-12-29	2022-12-29	No				2022-12-29	7.69	2023-01-09										
5026777	D06_09	D06_09	526-528	N NEGLEY AVE	Lead	Lead	PEX	Copper	2022-12-30	2022-12-30	No				2023-01-01	5.74	2023-01-12										
5027044	D06_09	D06_09	716	N SHERIDAN AVE	Lead	Lead	PEX	Copper	2023-01-04	2023-01-04	No				2023-01-04	ND	2023-01-12	2023-01-05	ND	2023-01-12	2023-01-05	1.57	2023-01-12				
5027098	D06_09	D06_09																									

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5047099	SDWMR_2021_C	SDWMR_2021_C	604	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2023-02-20	2023-02-20	No		2023-02-23	ND	2023-03-02												
5014351	D05_07	D05_07	246	S AIKEN AVE	Lead	Lead	PEX	Copper	2023-02-20	2023-02-20	No		2023-02-21	36.6	2023-02-28	2023-03-04	2.48	2023-03-22									
5071282	Curb Box 2	Curb Box 2	525	MCCLINTOCK AVE	Lead	Lead	PEX	Copper	2023-02-20	2023-02-20	No		2023-02-27	ND	2023-03-09												
5013920	D05_07	D05_07	5412	CORAL ST	Lead	Lead	PEX	Copper	2023-02-22	2023-02-22	No		2023-02-23	ND	2023-03-02												
5047288	SDWMR_2021_C	SDWMR_2021_C	510	HAZELWOOD AVE	Lead	Lead	PEX	Copper	2023-02-24	2023-02-24	No		2023-04-11	ND	2023-04-21												
5014861	D05_07	D05_07	382	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2023-02-27	2023-02-27	No		2023-04-25	ND	2023-05-04												
5015034	D05_07	D05_07	367	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-02-27	2023-02-27	No		2023-02-28	31.2	2023-03-09	2023-06-14	ND	2023-06-27									
5014411	D05_07	D05_07	325	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-02-27	2023-02-27	No		2023-03-02	ND	2023-03-09												
5047095	SDWMR_2021_C	SDWMR_2021_C	620	HAZELWOOD AVE	Lead	Copper	PEX	Not Replaced	2023-02-28		No		2023-03-01	ND	2023-03-09												
5046930	SDWMR_2021_C	SDWMR_2021_C	636	HAZELWOOD AVE	Lead	Copper	PEX	Not Replaced	2023-02-28		No		2023-03-01	ND	2023-03-09												
5047005	SDWMR_2021_C	SDWMR_2021_C	555	HAZELWOOD AVE	Lead	Copper	PEX	Not Replaced	2023-03-01		No		2023-03-02	1.82	2023-03-09												
5015031	D05_07	D05_07	362	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-01	2023-03-01	No		2023-04-25	ND	2023-05-08												
5014863	D05_07	D05_07	411	S WINEBIDDLE ST	Lead	Lead	PEX	Copper	2023-03-01	2023-03-01	No		2023-03-02	2.22	2023-03-15												
5014994	D05_07	D05_07	414	S AIKEN AVE	Lead	Lead	PEX	Copper	2023-03-02	2023-03-02	No		2023-03-03	3.32	2023-03-09												
5015047	D05_07	D05_07	439	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-02	2023-03-02	No		2023-03-30	ND	2023-04-05	2023-03-30	ND	2023-04-05	2023-03-30	ND	2023-04-05						
5015018	D05_07	D05_07	456	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-03	2023-03-03	No		2023-03-05	ND	2023-03-09												
5005599	Ops		638	HOLLACE ST	Lead	Copper	PEX	Not Replaced	2023-03-06		No	Emergency	2023-04-04	1.15	2023-05-04												
5053984	D16_03	D16_03	72	S 19TH ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-03-06	2023-03-06	No		2023-03-07	ND	2023-03-15												
5015040	D05_07	D05_07	411	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-06	2023-03-06	No		2023-03-08	ND	2023-03-22												
5015027	D05_07	D05_07	414	S GRAHAM ST	Copper	Lead	PEX	Copper	2023-03-07	2023-03-07	No		2023-04-07	ND	2023-04-17												
5054069	D16_03	D16_03	80	S 19TH ST	Lead	Copper	PEX	Not Replaced	2023-03-07		No		2023-03-12	1.55	2023-03-15												
5040961	Ops	Urgent LSLR_2	209	N LANG AVE	Lead	Lead	PEX	Copper	2023-03-08	2023-03-15	No	Emergency	2023-03-19	ND	2023-04-06												
5053966	D16_03	D16_03	56	S 19TH ST	Lead	Lead	PEX	Copper	2023-03-08	2023-03-08	No		2023-03-09	ND	2023-04-06												
5014390	D05_07	D05_07	224	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-08	2023-03-08	No		2023-03-10	4.4	2023-03-15												
5053963	D16_03	D16_03	62	S 19TH ST	Lead	Lead	PEX	Copper	2023-03-08	2023-03-08	No		2023-04-16	1.33	2023-05-01												
5013925	D05_07	D05_07	204	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-08	2023-03-08	No		2023-03-10	ND	2023-03-15												
5015042	D05_07	D05_07	419	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-09	2023-03-09	No		2023-03-12	ND	2023-03-15												
5015023	D05_07	D05_07	434	S GRAHAM ST	Lead	Lead	PEX	Copper	2023-03-09	2023-03-09	No		2023-03-10	ND	2023-03-15												
5053978	D16_03	D16_03	73	S 19TH ST	Lead	Lead	PEX	Copper	2023-03-09	2023-03-09	No		2023-03-10	1.15	2023-03-17												
5068515	Ops	Urgent LSLR_2	42	WOESSNER AVE	Lead	Lead	PEX	Copper	2023-03-10	2023-03-16	No		2023-05-24	3.59	2023-06-09												
5053829	D16_03	D16_03	42	S 19TH ST	Lead	Lead	PEX	Copper	2023-03-10	2023-03-10	No		2023-06-09	ND	2023-06-17												
5013694	D05_07	D05_07	204	S AIKEN AVE	Lead	Lead	PEX	Copper	2023-03-13	2023-03-13	No		2023-03-16	2.16	2023-04-06												
5053971	D16_03	D16_03	63	S 19TH ST	Lead	Lead	PEX	Copper	2023-03-13	2023-03-13	No		2023-03-14	2.7	2023-03-22												
5035886	D07_08	D07_08	1326	WIGHTMAN ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-03-20	2023-03-20	No		2023-03-21	16.6	2023-04-06	2023-07-06	ND	2023-07-17									
5035881	D07_08	D07_08	1316	WIGHTMAN ST	Lead	Copper	PEX	Not Replaced	2023-03-21		No		2023-03-22	3.6	2023-04-06												
5035882	D07_08	D07_08	1318	WIGHTMAN ST	Lead	Lead	PEX	Copper	2023-03-21	2023-03-21	No		2023-03-22	1.18	2023-04-06												
5053938	D16_03	D16_03	54	S 18TH ST	Lead	Copper	PEX	Not Replaced	2023-03-22		No		2023-03-23	10.5	2023-04-06	2023-07-17	1.24	2023-07-20									
503>																											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5078302	D08_01	D08_01	3323	FLEMING AVE	Lead	Lead	PEX	Copper	2023-05-19	2023-05-19	No		2023-05-20	31.5	2023-05-26	2023-08-20											
5078308	D08_01	D08_01	3411	FLEMING AVE	Lead	Lead	PEX	Copper	2023-05-22	2023-05-22	No		2023-06-02	1.75	2023-06-09												
5077968	D08_01	D08_01	3507	CALIFORNIA AVE	Lead	Copper	PEX	Not Replaced	2023-05-22		No		2023-05-23	ND	2023-06-01	2023-05-23	ND	2023-06-01									
5078134	D08_01	D08_01	3412	REUBEN ST	Lead	Lead	PEX	Copper	2023-05-24	2023-05-24	No		2023-05-24	358	2023-06-12												
5078387	D08_01	D08_01	3405	REUBEN ST	Lead	Copper	PEX	Not Replaced	2023-05-25		No		2023-06-11	2.83	2023-06-17												
5013121	Ops		4719	LORIGAN ST	Lead	Copper	PEX	Not Replaced	2023-06-02		No	Emergency	2023-08-24	ND	2023-09-01												
5078768	D08_01	D08_01	3504	CORONA ST	Lead	Copper	PEX	Not Replaced	2023-06-02		No		2023-06-12	ND	2023-06-27												
5048595	D09_05_A		121	JOHNSTON AVE	Lead	Lead	PEX	Copper	2023-06-09	2023-06-09	No		2023-06-10	ND	2023-06-17												
5025944	Ops	Urgent LSLR_2	1035	N HIGHLAND AVE	Lead	Lead	PEX	Copper	2023-06-10	2023-06-23	No	Emergency	2023-06-25	2.66	2023-07-10												
5047972	D09_05_A		129	JOHNSTON AVE	Lead	Lead	PEX	Copper	2023-06-12	2023-06-12	No		2023-07-27	1.19	2023-08-08												
5049159	D09_05_A		119	ALLUVIAN ST	Lead	Lead	PEX	Copper	2023-06-12	2023-06-12	No		2023-06-15	ND	2023-06-27												
5048820	D09_05_A		8	ALMEDA ST	Lead	Lead	PEX	Copper	2023-06-13	2023-06-13	No		2023-06-14	1.24	2023-06-27												
5048587	D09_05_A		204	JOHNSTON AVE	Lead	Copper	PEX	Not Replaced	2023-06-13		No		2023-06-14	ND	2023-06-27												
5048711	D09_05_A		307	MANSION ST	Lead	Lead	PEX	Copper	2023-06-14	2023-06-14	No		2023-06-15	ND	2023-06-27												
5048588	D09_05_A		202	JOHNSTON AVE	Lead	Lead	PEX	Copper	2023-06-14	2023-06-14	No		2023-06-15	3.62	2023-06-27												
1000178	Ops	Urgent LSLR_2	714-724	MANILLA ST	Lead	Lead	PEX	Copper	2023-06-20	2023-07-05	No	Emergency	2023-07-07	ND	2023-07-28												
5048613	D09_05_A		243	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2023-06-20	2023-06-20	No		2023-07-02	ND	2023-07-17												
5048610	D09_05_A		249	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2023-06-20	2023-06-21	No		2023-08-28	ND	2023-09-01												
5036440	Ops	Urgent LSLR_2	5815	FERREE ST	Lead	Lead	PEX	Copper	2023-06-21	2023-07-07	No	Emergency	2023-07-08	3.75	2023-07-28												
5047711	D09_05_A		4820	MONONGAHELA ST	Lead	Lead	PEX	Copper	2023-06-27	2023-06-27	No		2023-07-09	ND	2023-07-20												
5048617	D09_05_A		233	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2023-07-05	2023-07-05	No		2023-07-07	3.1	2023-07-17												
5047695	D09_05_A		4828	CHATSWORTH ST	Lead	Lead	PEX	Copper	2023-07-05	2023-07-05	No		2023-07-06	2.14	2023-07-17												
5048626	D09_05_A		214	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2023-07-06	2023-07-06	No		2023-07-24	4.83	2023-08-08												
5048627	D09_05_A		216	TROWBRIDGE ST	Lead	Lead	PEX	Copper	2023-07-07	2023-07-07	No		2023-07-19	1.06	2023-08-08												
5055419	Ops		2662	S 18TH STREET EXT	Lead	Copper	PEX	Not Replaced	2023-07-10		No		2023-11-01	6.65	2023-11-22												
5048001	D09_05_A		130	TIPTON ST	Lead	Lead	PEX	Copper	2023-07-14	2023-07-14	No		2023-08-22	ND	2023-09-27												
5048035	D09_05_A		131	TIPTON ST	Lead	Lead	PEX	Copper	2023-07-18	2023-07-18	No		2023-08-03	1.25	2023-08-18												
5048004	D09_05_A		110	TIPTON ST	Lead	Lead	PEX	Copper	2023-07-20	2023-07-20	No		2023-07-25	ND	2023-08-08												
5048560	D09_05_A		5300	GERTRUDE ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-07-26	2023-07-26	No		2023-07-29	ND	2023-08-11												
5122935	Ops	Urgent LSLR_2	15	FREDERICK STREET	Lead	Lead	PEX	Copper	2023-07-27	2023-07-31	No		2023-09-21	ND	2023-09-28												
5047768	D09_05_B		4930	GLENWOOD AVE	Lead	Copper	PEX	Not Replaced	2023-07-31		No		2023-08-02	6.27	2023-08-11												
5047780	D09_05_B		4941	GLENWOOD AVE	Lead	Lead	PEX	Copper	2023-08-03	2023-08-03	No		2024-02-07	5.98	2024-02-16	2024-02-07	ND	2024-02-16									
5035346	Curb Box 2	Curb Box 2	1089	SHADY AVE	Lead	Copper	Copper	Not Replaced	2023-08-04		No		2024-02-26	ND	2024-03-08	2024-02-26	ND	2024-03-08									
5047495	D09_05_B		345	FLOWERS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-08-09	2023-08-09	No		2023-11-03	ND	2023-11-14	2024-01-22	ND	2024-01-26	2024-01-22	ND	2024-01-26						
5063827	E01_02	E01_02	2428	GLEN MAWR ST	Lead	Lead	PEX	Copper	2023-08-10	2023-08-10	No		2024-02-05	ND	2024-02-16	2024-02-05	ND	2024-02-16									
5064013	E01_02	E01_02	222	SAGAMORE ST	Lead	Copper	PEX	Not Replaced	2023-08-14		No		2023-12-22	ND	2024-01-11	2023-12-22	ND	2024-01-11									
5047335	D09_05_B		248	BLACKSTONE ST	Lead	Lead	PEX	Copper	2023-08-16	2023-08-16	No		2023-12-29	ND	2024-01-11	2023-12-29	ND	2024-01-11									
5063849	E01_02	E01_02	3326	OREGON ST	Lead	Copper	PEX	Not Replaced	2023-08-17		No																

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_p pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_p pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_p pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_p pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_p pb5	Dt Result Recfrom Lab5
5068032	D10_01	D10_01	1545	LOWRIE ST	Lead	Lead	PEX	Copper	2023-12-28	2023-12-28	No		2024-04-26	ND	2024-05-03	2024-04-26	ND	2024-05-03									
5069306	D10_01	D10_01	2029	LOWRIE ST	Lead	Lead	PEX	Copper	2023-12-29	2023-12-29	No		2024-04-13	ND	2024-04-19	2024-04-13	4.2	2024-04-19									
5122101	SDWMR_2022_B	SDWMR_2022_B	122	BECKERT STREET	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2024-01-02	2024-01-02	No		2024-06-14	ND	2024-06-27	2024-06-14	ND	2024-06-27									
5069520	D10_01	D10_01	1911	LOWRIE ST	Lead	Lead	PEX	Copper	2024-01-02	2024-01-02	No		2024-06-25	ND	2024-07-11	2024-06-25	2.88	2024-07-11									
5069578	D10_01	D10_01	1621	LOWRIE ST	Lead	Copper	PEX	Not Replaced	2024-01-03		No		2024-05-31	ND	2024-06-21	2024-05-31	ND	2024-06-21									
5068050	D10_01	D10_01	1519	LOWRIE ST	Lead	PEX	PEX	Not Replaced	2024-01-03		No		2024-06-03	ND	2024-06-21	2024-06-03	ND	2024-06-21									
5035483	Ops	Urgent LSLR_3	5619	FAIR OAKS ST	Lead	Lead	PEX	Copper	2024-01-08	2024-01-12	No	Emergency	2024-05-31	ND	2024-06-21	2024-05-31	1.28	2024-06-21									
5122096	SDWMR_2022_B	SDWMR_2022_B	115	BECKERT STREET	Lead	Lead	PEX	Copper	2024-01-08	2024-01-08	No		2024-05-26	ND	2024-06-03	2024-05-26	ND	2024-06-03									
5122111	SDWMR_2022_B	SDWMR_2022_B	118	CLARA STREET	Lead	Lead	PEX	Copper	2024-01-11	2024-01-11	No		2024-05-31	ND	2024-07-11	2024-05-31	ND	2024-07-11									
5035711	Ops		714	S LINDEN AVE	Lead	Copper	PEX	Not Replaced	2024-01-18		No	Emergency	2024-10-01	ND	2024-10-11	2024-10-01	1.91	2024-10-11									
5025194	Urgent LSLR_3	Urgent LSLR_3	1115	N NEGLEY AVE	Lead	Lead	PEX	Copper	2024-01-26	2024-01-29	No		2024-05-28	9.17	2024-05-30	2024-05-28	117	2024-05-30									
5069316	D10_01	D10_01	2109	LOWRIE ST	Lead	Copper	PEX	Not Replaced	2024-01-26		No		2024-07-15	ND	2024-07-19	2024-07-15	ND	2024-07-19									
5122084	SDWMR_2022_B	SDWMR_2022_B	27	BECKERT STREET	Lead	Lead	PEX	Copper	2024-01-26	2024-01-26	No		2024-05-29	ND	2024-06-21	2024-05-29	ND	2024-06-21									
5076174	SDWMR_2022_C	SDWMR_2022_C	1525	ECKERT ST	Lead	Copper	PEX	Not Replaced	2024-02-05		No		2024-06-19	ND	2024-07-01	2024-06-19	ND	2024-07-01									
5122196	SDWMR_2022_B	SDWMR_2022_B	103	SIEGEL STREET	Lead	Lead	PEX	Copper	2024-02-06	2024-02-06	No		2024-06-17	ND	2024-07-16	2024-06-17	ND	2024-07-16									
5076815	SDWMR_2022_C	SDWMR_2022_C	1413	WOODLAND AVE	Copper	Lead	PEX	Copper	2024-03-21	2024-02-07	No		2024-06-27	4.22	2024-07-11	2024-06-27	1.51	2024-07-11									
5025839	Ops	Urgent LSLR_3	5904	WELLESLEY AVE	Lead	Lead	PEX	Copper	2024-02-08	2024-02-16	No	Emergency	2024-08-20	3.39	2024-08-26	2024-08-20	ND	2024-08-26									
5073813	E03_06	E03_06	308	MARSHALL AVE	Lead	Lead	PEX	Copper	2024-02-08	2024-02-08	No		2024-06-20	ND	2024-07-01	2024-06-20	1.69	2024-07-01									
5067689	SDWMR_2022_C	SDWMR_2022_C	1109	HASLAGE AVE	Copper	Lead	PEX	Copper	2024-06-27	2024-02-13	No		2024-08-16	ND	2024-08-26	2024-08-16	ND	2024-08-26									
5079463	SDWMR_2022_C	SDWMR_2022_C	3038	FREDERICK ST	Lead	Copper	PEX	Not Replaced	2024-02-14		No		2024-06-23	ND	2024-07-01	2024-06-23	ND	2024-07-01									
5121791	SDWMR_2022_B	SDWMR_2022_B	118	SHERIDAN ST	Lead	Lead	PEX	Copper	2024-02-15	2024-02-15	No		2024-06-15	1.28	2024-07-11	2024-06-15	6.3	2024-07-11									
5063286	SDWMR_2022_B	SDWMR_2022_B	1014	LAKEWOOD AVE	Lead	Copper	PEX	Not Replaced	2024-02-19		No		2024-07-30	ND	2024-08-17	2024-07-30	ND	2024-08-17									
5063282	SDWMR_2022_B	SDWMR_2022_B	1022	LAKEWOOD ST	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2024-02-21	2024-02-21	No		2024-06-21	ND	2024-07-01	2024-06-21	ND	2024-07-01									
5121805	SDWMR_2022_B	SDWMR_2022_B	216	SHERIDAN STREET	Lead	Lead	PEX	Copper	2024-02-27	2024-02-27	No		2024-06-25	ND	2024-07-11	2024-06-25	ND	2024-07-11									
5081347	E05_06	E05_06	771	WOODS RUN AVE	Lead	Lead	PEX	Copper	2024-02-29	2024-02-29	No		2024-06-23	ND	2024-07-11	2024-06-23	ND	2024-07-11									
5010213	Ops	Urgent LSLR_3	4721	WALLINGFORD ST	Lead	Lead	PEX	Copper	2024-03-01	2024-03-11	No	Emergency	2024-09-20	ND	2024-10-11	2024-09-20	ND	2024-10-11									
5063370	SDWMR_2022_B	SDWMR_2022_B	302	LORENZ AVE	Lead	Brass	PEX	Not Replaced	2024-03-04		No		2024-09-12	1.16	2024-09-19	2024-09-12	1.7	2024-09-19									
5063361	SDWMR_2022_B	SDWMR_2022_B	207	LORENZ AVE	Lead	Lead	PEX	Copper	2024-03-05	2024-03-05	No		2024-08-29	ND	2024-09-17	2024-08-29	3.84	2024-09-17									
5015262	Ops	Private Reimbursement	5152	CYPRESS ST	Lead	Lead	PEX	PEX	2024-03-22	2024-03-12	No	Emergency	2024-08-14	ND	2024-08-17	2024-08-14	1.94	2024-08-17									
5121826	SDWMR_2022_B	SDWMR_2022_B	109	SHERMAN STREET	Lead	Lead	PEX	Copper	2024-03-14	2024-03-14	No		2024-07-24	ND	2024-08-09	2024-07-24	1.19	2024-08-09									
5008615	Ops		3546	MELWOOD AVE	Lead	Copper	PEX	Not Replaced	2024-03-15		No	Emergency	2024-08-07	ND	2024-08-07	2024-08-07	ND	2024-08-07									
5063219	SDWMR_2022_B	SDWMR_2022_B	412	LORENZ AVE	Lead	Copper	PEX	Not Replaced	2024-03-15		No		2024-07-25	ND	2024-08-09	2024-07-25	1.1	2024-08-09									
5044134	SDWMR_2022_B	SDWMR_2022_B	639	E END AVE	Copper	Lead	PEX	Copper	2024-03-20	2024-03-21	No		2024-07-24	ND	2024-08-09	2											

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Is Partial	Emergency	Dt Collected1	Lab Result_pb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_pb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_pb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_pb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_pb5	Dt Result Recfrom Lab5
5017854	Ops		4628	PENN AVE	Lead	Copper	Copper	Not Replaced	2024-05-30		No	Emergency	2024-09-24	ND	2024-10-01	2024-09-24	ND	2024-10-01									
5028678	E08_09	E08_09	639	LENORA ST	Lead	Lead	Copper	Copper	2024-05-31	2024-05-31	No		2024-09-20	ND	2024-10-11	2024-09-20	ND	2024-10-11									
5067651	SDWMR_2022_C	SDWMR_2022_C	909	HASLAGE AVE	Lead	Lead	PEX	Copper	2024-06-04	2024-06-04	No		2024-10-21	ND	2024-10-28	2024-10-21	ND	2024-10-28									
5029778	E08_09	E08_09	6511	SHETLAND AVE	Lead	Lead Tailpiece	Copper	Copper Tailpiece	2024-06-05	2024-06-05	No		2024-10-25	ND	2024-10-30	2024-10-25	2.6	2024-10-30									
5067649	SDWMR_2022_C	SDWMR_2022_C	915	HASLAGE AVE	Lead	Lead	PEX	Copper	2024-06-05	2024-06-05	No		2024-10-25	ND	2024-10-30	2024-10-25	ND	2024-10-30									
5067637	SDWMR_2022_C	SDWMR_2022_C	953	HASLAGE AVE	Lead	Copper	PEX	Not Replaced	2024-06-10		No		2024-10-22	ND	2024-10-30	2024-10-22	ND	2024-10-30									
5067683	SDWMR_2022_C	SDWMR_2022_C	1007	HASLAGE AVE	Lead	Lead	PEX	Copper	2024-06-11	2024-06-11	No		2024-10-24	ND	2024-10-30	2024-10-25	ND	2024-10-30									
5076295	SDWMR_2022_C	SDWMR_2022_C	1437	WOODLAND AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2024-06-18	2024-06-18	No		2024-10-23	ND	2024-10-28	2024-10-23	1.09	2024-10-28									
5029597	E08_09	E08_09	129	STOEBNER WAY	Lead	Lead	Copper	Copper	2024-06-18	2024-06-18	No		2024-10-27	ND	2024-10-30	2024-10-27	ND	2024-10-30									
5067688	SDWMR_2022_C	SDWMR_2022_C	1107	HASLAGE AVE	Lead	Lead	PEX	Copper	2024-06-25	2024-06-25	No		2024-10-21	ND	2024-10-28	2024-10-21	ND	2024-10-28									
5029117	E08_09	E08_09	619	THOMPSON ST	Lead	Lead	Copper	Copper	2024-06-25	2024-06-25	No		2024-10-24	2.9	2024-10-30	2024-10-24	1.75	2024-10-30									
5068723	SDWMR_2022_C	SDWMR_2022_C	1124	HASLAGE AVE	Lead	Lead	PEX	Copper	2024-06-27	2024-06-27	No		2024-10-22	1.21	2024-10-30	2024-10-22	3.29	2024-10-30									
5052077	Ops		2434	PATTERSON ST	Lead	Copper	Copper	Not Replaced	2024-06-28		No	Emergency	2024-07-09	6.09	2024-07-18												

See following pages for locations where more than one replacement occurred.

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Location ID	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Work Order Public2	Work Order Private2	Site Verification Public2	Site Verification Private2	Replaced Material Public2	Replaced Material Private2	Replacement Date Public2	Replacement Date Private2	Is Partial	Emergency	Dt Collected1	Lab Result_ppb1	Dt Result Recrom Lab1	Dt Collected2	Lab Result_ppb2	Dt Result Recrom Lab2	Dt Collected3	Lab Result_ppb3	Dt Result Recrom Lab3	Dt Collected4	Lab Result_ppb4	Dt Result Recrom Lab4	Dt Collected5	Lab Result_ppb5	Dt Result Recrom Lab5	
5049759	Ops	BLG_02	4038	MURRAY AVE	Lead	Unknown	PEX	Not Replaced	2016-07-26		SDWMR_2020A	SDWMR_2020A	PEX	Lead	PEX	Copper	2020-11-12	2020-11-12	Yes	Emergency	2020-11-15	2.19	2020-11-23													
5048522	Ops	BLG_01	5266	2ND AVE	Lead		PEX	Not Replaced	2016-07-26		DO9_05_A	DO9_05_A	PEX	Lead	Not Replaced	Copper	2020-11-12	2023-08-31	Yes	Emergency	2017-07-11	14	2017-07-20													
5032416	Ops	BLG_01	7055	CHAUCER ST	Lead		PEX	Not Replaced	2016-10-21		E07_09	E07_09	PEX	Lead	Not Replaced	Copper	2024-05-13	Yes	Emergency	2017-07-06	14	2017-07-13	2024-09-23	5.49	2024-10-01	2024-09-23	ND	2024-10-01								
5031892	Ops	BLG_01	1542	OBERLIN ST	Lead		PEX	Not Replaced	2016-11-01		SDWMR_2020B	SDWMR_2020B	PEX	Lead	PEX	Copper	2020-11-12	2020-11-12	Yes	Emergency	2020-11-16	ND	2020-11-23													
5031893	Ops	BLG_01	1544	OBERLIN ST	Lead		PEX	Not Replaced	2016-11-02		SDWMR_2020B	SDWMR_2020B	PEX	Lead	PEX	Copper	2020-11-17	2020-11-17	Yes	Emergency	2020-11-18	2.72	2020-11-30													
5039068	Ops	Private Reimbursement	5858	BURCHFIELD AVE	Lead		PEX	Copper	2016-11-09	2018-04-27	SDWMR_2020A	SDWMR_2020A	PEX	Copper	PEX	Not Replaced	2021-02-08	Yes	Emergency	2017-11-15	5.3	2017-11-28														
5040825	Ops		7090	MEADE PL	Lead		PEX	Copper	2017-02-15	2019-01-11	SDWMR_2021_C	SDWMR_2021_C	PEX	Copper	PEX	Not Replaced	2022-09-13	Yes	Emergency	2017-08-10	10	2017-08-22														
5061522	A01_03	A01_03	448	RUTH ST	Lead		PEX	Not Replaced	2017-05-16		F10_02	F10_02	PEX	Lead	Not Replaced	Copper		2024-09-26	Yes	Emergency	2017-11-29	5.3	2017-11-28	2017-08-17	25	2017-09-20										
5059564	A01_03	A01_03	116	TUSCOLA ST	Lead		PEX	Not Replaced	2017-05-25		F10_02	F10_02	PEX	Lead	Not Replaced	Copper		2024-09-17	Yes	Emergency	2018-02-02	2	2018-02-08													
5026918	Ops	BLG	709	N EUCLID AVE	Lead		PEX	Not Replaced	2017-07-24		SDWMR_2021_B	SDWMR_2021_B	PEX	PEX	PEX	Not Replaced	2022-05-09	Yes	Emergency	2017-07-28	33	2017-08-11	2017-08-28	17	2017-09-20	2017-10-30	6	2017-11-09								
5079001	Ops	B13_01_C	1097	WOODS RUN AVE	Lead	Unknown	PEX	Not Replaced	2017-08-25		E05_06	E05_06	PEX	PEX	Not Replaced	Copper			Yes	Emergency	2017-08-27	11	2017-09-20													
5004432	Ops	BLG_01	3316	HARDIE WAY	Lead		PEX	Not Replaced	2017-09-20		DO2_03	DO2_03	PEX	Lead	Not Replaced	Copper		2022-07-13	Yes	Emergency	2017-09-26	19	2017-10-26	2022-07-15	16.1	2022-07-28										
5029111	Ops	BLG	3847	SHADY AVE	Lead		PEX	Copper	2017-09-20	2019-01-10	SDWMR_2020A	SDWMR_2020A	PEX	Copper	PEX	Not Replaced	2021-01-21	Yes	Emergency	2017-09-26	56	2017-10-30	2022-07-15	48	2021-11-27											
5016726	Ops-Unlisted		4213	SHEROOD ST	Lead		PEX	Not Replaced	2017-10-28		SDWMR_2021_B	SDWMR_2021_B	PEX	Copper	PEX	Not Replaced	2022-05-10	No	Emergency	2017-10-31	17	2017-11-09	2017-11-21	21	2017-12-07											
5030883	Ops	BLG	6939	CHURCHLAND ST	Lead		PEX	Copper	2017-12-03	2019-01-08	E02_09	E02_09	PEX	Copper	PEX	Not Replaced	2023-09-05	Yes	Emergency	2017-12-11	9.3	2017-12-18	2019-01-23	ND	2019-02-04											
5016717	Ops	BLG_01	368	44TH ST	Lead		PEX	Copper	2017-12-07	2019-03-28	SDWMR_2021_B	SDWMR_2021_B	PEX	Copper	PEX	Not Replaced	2022-04-20	Yes	Emergency	2017-12-07	1700	2018-01-10	2017-12-12	4.9	2017-12-21	2019-03-29	3.9	2019-04-10								
5044101	Ops	BLG_01	620	E END AVE	Lead		PEX	Copper	2017-12-17	2019-05-29	SDWMR_2021_B	SDWMR_2021_B	PEX	Copper	PEX	Not Replaced	2024-03-20	Yes	Emergency	2018-12-18	80	2019-03-28	2019-12-04	5	2020-01-10											
5043814	Ops		7712	WAWERLY ST	Lead		PEX	Not Replaced	2018-02-12		Ops	Ops	PEX	Not Replaced	Not Replaced	Copper			No	Emergency	2018-02-22	11	2018-03-07													
5058444	Ops	BLG_01	217	MAPLE TER	Lead		PEX	Not Replaced	2018-02-14		SDWMR_2020A	SDWMR_2020A	PEX	Lead Tailpiece	PEX	Copper Tailpiece	2021-07-09	2021-07-09	Yes	Emergency	2018-03-07	ND	2018-03-07													
5017885	Ops		4622	CARROLL ST	Lead	Non-Lead	PEX	Not Replaced	2018-02-15		SDWMR_2021_B	SDWMR_2021_B	PEX	PEX	PEX	Not Replaced	2022-06-08	No	Emergency	2018-10-17	ND	2018-11-01														
5058658	Ops	BLG	158	VIRGINIA AVE	Lead		PEX	Not Replaced	2018-02-18		SDWMR_2020A	SDWMR_2020A	PEX	Lead Tailpiece	PEX	Copper Tailpiece	2021-08-06	2021-08-06	Yes	Emergency	2018-03-07	ND	2018-03-19													
5037540	Ops		5448	BARTLETT ST	Lead		PEX	Not Replaced	2018-03-23		SDWMR_2022_A1	SDWMR_2022_A1	Copper	Copper	Copper	Copper	2024-10-18	No	Emergency	2018-04-24	5.3	2018-05-04														
5003097	Ops	BLG_01	137	CHESTERFIELD RD	Lead		Copper	Not Replaced	2018-05-11		SDWMR_2021_B	SDWMR_2021_B	Copper	Lead	PEX	Copper	2023-01-11	2023-01-11	Yes	Emergency	2023-01-11	ND	2023-01-27													
5004417	Ops		544	E END AVE	Lead		Copper	Not Replaced	2018-06-13		SDWMR_2021_B	SDWMR_2021_B	Copper	Copper	PEX	Not Replaced	2024-04-16	No	Emergency	2018-06-13	157	2018-08-01														
5061555	A04_04	A04_04	677	SOUTHERN AVE	Lead		PEX	Not Replaced	2018-06-15		F10_02	F10_02	PEX	Lead	Not Replaced	PEX			Yes	Emergency	2018-08-26	ND	2018-09-28													
5061585	A04_04	A04_04	721	SOUTHERN AVE	Lead		PEX	Not Replaced	2018-06-18		F10_02	F10_02	PEX	Lead	Not Replaced	PEX			Yes	Emergency	2018-07-11	3	2018-07-17													
5047856	Ops		5024	BLAIR ST	Lead		PEX	Not Replaced	2018-06-22		SDWMR_2019	SDWMR_2019	PEX	Copper	PEX	Not Replaced	2021-03-29	No	Emergency	2018-06-24	4	2018-07-08														
5122203	Ops	BLG_01	207	SIEGEL STREET	Lead		PEX	Not Replaced	2018-07-17		SDWMR_2022_B	SDWMR_2022_B	PEX	Lead	PEX	Copper	2024-02-08	2024-02-08	Yes	Emergency	2024-06-19	ND	2024-07-01	2024-06-19	ND	2024-07-01										
50278630	Ops		1458	GEYER AVE	Lead		Copper	Not Replaced	2018-08-02		SDWMR_2022_C	SDWMR_2022_C	PEX	Copper	PEX	Not Replaced	2024-09-12	No	Emergency	2018-08-03	9	2018-08-23														
5018034	A07_07	A07_07	4830	HATHFIELD ST	Lead		PEX	Copper	2018-08-07	2018-08-07	Ops	Ops	PEX	Copper	Not Replaced	Not Replaced			No	Emergency	2018-08-23	ND	2018-08-23													
5049707	A15_05_C	A15_05_C	4024	WINDSOR ST	Lead		PEX	Copper	2018-08-20	2018-08-20	Ops	Ops	PEX	Copper	Not Replaced	Not Replaced			No	Emergency	2018-09-21	ND	2018-10-08													
5051926	Ops	BLG_01	2412	BURHAM ST	Lead		PEX	Not Replaced	2018-09-27		SDWMR_2019	SDWMR_2019	PEX	Lead	PEX	Copper	2021-09-23	2021-09-23	Yes	Emergency	2021-09-24	ND	2021-10-11													
5043747	Ops	BLG	420	E END AVE	Lead		PEX	Copper	2018-10-19	2019-02-04	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024-04-10	Yes	Emergency	2018-10-30	15.2	2018-11-08	2019-02-05	16.8	2019-02-12	2019-09-24	5.34	2019-09-30								
5043748	Ops	BLG	420 1/2	E END AVE	Lead		PEX	Copper	2018-10-19	2019-02-04	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024-04-10	Yes	Emergency	2019-02-05	3.76	2019-02-12														
5047825	Ops	BLG	5006	LYTLE ST	Lead		PEX	Copper	2018-11-09	2019-03-11	SDWMR_2019	SDWMR_2019	PEX	Copper	PEX	Not Replaced	2021-04-06	Yes	Emergency	2018-11-10	52.5	2018-11-27	2019-02-08	6.69	2019-02-19											
5037461	A04_04	A04_04	1463	BARTLETT ST	Lead		Copper	Not Replaced	2018-11-27		SDWMR_2022_A1	SDWMR_2022_A1	Copper	Copper	PEX	Not Replaced	2024-01-24	Yes	Emergency	2019-01-07	9.6	2019-01-11	2019-02-11	4.62	2019-02-19											
5029215	A09_09	A09_09	1101	PAULSON AVE	Lead		PEX	Copper	2018-11-27	2018-11-27	SDWMR_2020B	SDWMR_2020B	PEX	Copper	PEX	Not Replaced	2020-07-24	No	Emergency	2018-12-03	ND	2018-12-17														
5070409	A16_06	A16_06	1530	GARFIELD AVE	Lead		Copper	Copper	2018-11-28		Garfield Ave Relay	Garfield Ave Relay	Copper	Copper	PEX	Not Replaced	2023-01-20	No	Emergency	2019-04-12	ND	2019-04-24														
5070410	A16_06	A16_06	1528	GARFIELD AVE	Lead		Copper	Copper	2018-11-28	2018-11-28	Garfield Ave Relay	Garfield Ave Relay	Copper	Copper	PEX	Not Replaced	2023-01-20	No	Emergency	2018-11-29	13.6	2018-12-05														
5070427	A16_06	A16_06	1521	GARFIELD AVE	Lead		Copper	Copper	2018-11-30	2018-11-30	Garfield Ave Relay	Garfield Ave Relay	Copper	Copper	PEX	Not Replaced	2023-01-17	No	Emergency	2018-12-10	ND	2018-12-17														
5033323	Ops	BLG_01	7344	MONTICELLO ST	Lead		Copper	Copper	2018-11-30		Fuchsia Way Sewer	Fuchsia Way Sewer	Copper	Copper	PEX	Not Replaced	2022-12-19	No	Emergency	2022-12-21	ND	2023-01-27														
5070416	A16_06	A16_06	1516	GARFIELD AVE	Lead		Copper	Copper	2018-12-03	2018-12-03	Garfield Ave Relay	Garfield Ave Relay	Copper	PEX	Not Replaced	2023-01-16	No	Emergency	2018-12-17	ND	2018-12-17															
5026542	Ops	BLG_01	824	N SHERIDAN AVE	Lead		Copper	Copper	2018-12-08	2019-04-22	SDWMR_2020B	SDWMR_2020B	PEX	Copper	PEX	Not Replaced	2020-10-07	Yes	Emergency	2018-12-09	138	2018-12-17	2019-04-29	1.53	2019-05-15											
5063350	Ops		405	LORENZ AVE	Lead		Copper	PEX	Not Replaced	2018-12-19	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024																			

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Location Id	Work Order Public	Work Order Private	House	Street	Site Verification Public	Site Verification Private	Replaced Material Public	Replaced Material Private	Replacement Date Public	Replacement Date Private	Work Order Public2	Work Order Private2	Site Verification Public2	Site Verification Private2	Replaced Material Public2	Replaced Material Private2	Replacement Date Public2	Replacement Date Private2	Is Partial	Emergency	Dt Collected1	Lab Result_ppb1	Dt Result Recfrom Lab1	Dt Collected2	Lab Result_ppb2	Dt Result Recfrom Lab2	Dt Collected3	Lab Result_ppb3	Dt Result Recfrom Lab3	Dt Collected4	Lab Result_ppb4	Dt Result Recfrom Lab4	Dt Collected5	Lab Result_ppb5	Dt Result Recfrom Lab5
5067695	Priority	Priority	1133	HASLAGE AVE	Lead	Lead	PEX	Copper	2022-07-05	2022-07-05	SDWMR_2022_C	SDWMR_2022_C	PEX	Copper	PEX	Not Replaced	2024-06-19		No		2022-07-18	ND	2022-07-28												
5067618	Priority	Priority	934	YETTA AVE	Lead	Lead	PEX	Copper	2022-07-06	2022-07-06	SDWMR_2022_C	SDWMR_2022_C	PEX	Copper	PEX	Not Replaced	2024-04-08		No		2022-07-08	69	2022-07-14	2022-10-11	17.1	2022-10-19	2023-01-12	6.35	2023-01-20						
5043842	Ops	Urgent LSLR_2	505	E END AVE	Lead	Lead	PEX	Copper	2022-07-11	2022-07-19	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024-05-03		No	Emergency	2022-07-26	2.83	2022-08-05												
5019523	Ops	Urgent LSLR_2	5211	DEARBORN ST	Lead	Lead	PEX	Copper	2022-07-14	2022-07-14	Dearborn Water Relay	Dearborn Water Relay	Copper	Copper	PEX	Not Replaced	2022-09-22		No	Emergency	2022-07-18	ND	2022-08-01												
5043880	Ops	Urgent LSLR_2	528	E END AVE	Lead	Lead	PEX	Copper	2022-07-25	2022-08-02	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024-04-10		No	Emergency	2022-08-03	2.58	2022-08-19												
5003209	SDWMR_2021_B	SDWMR_2021_B	205	COLTART AVE	Lead	Copper	PEX	Not Replaced	2022-10-27		Ops		Lead	Copper	PEX	Not Replaced	2022-07-30		No		2022-07-30	40.5	2022-08-19												
5024614	B19_09	B19_09	5420	BROAD ST	Copper	Copper	Not Replaced	Not Replaced			Urgent Sewer	Urgent Sewer	Lead	Copper	PEX	Not Replaced	2022-08-16		No		2022-08-17	160	2022-09-01	2022-09-13	126	2022-09-22	2022-10-03	ND	2022-10-17						
5070328	B08_06_A	B08_06_A	1781	PERRYSVILLE AVE	Copper	Lead	Not Replaced	Not Replaced			Priority_2	Priority_2	Copper	Lead	PEX	Copper	2022-09-12	2022-09-12	No		2022-09-13	1.48	2022-09-22												
5067639	Priority_3	Priority_3	925	HASLAGE AVE	Lead	Lead	PEX	Copper	2022-09-16	2022-09-16	SDWMR_2022_C	SDWMR_2022_C	PEX	Copper	PEX	Not Replaced	2024-06-14		No		2022-09-18	ND	2022-09-25												
5044017	Priority_3	Priority_3	7222	EDGERTON AVE	Lead	Lead	PEX	Copper	2022-09-23	2022-09-23	SDWMR_2022_B	SDWMR_2022_B	PEX	Copper	PEX	Not Replaced	2024-05-08		No		2022-11-18	ND	2022-12-01												
5057634	A01_03	A01_03	98	ESTELLA AVE	1st Round Not Verified	1st Round Not Verified					Priority_4	Priority_4	Lead	Lead	PEX	Copper	2022-10-18	2022-10-18	No		2024-04-27	ND	2024-05-13												
5070407	A16_06	A16_06	1534	GARFIELD AVE	Copper	Lead	Not Replaced	Not Replaced			Garfield Ave Relay	Garfield Ave Relay	Copper	Lead	PEX	Copper	2023-01-24	2023-01-24	No		2023-01-24	ND	2023-02-13												
5010806	SDWMR_2021_C	SDWMR_2021_C	5037	CASTLEMAN ST	PEX	Copper	PEX	Not Replaced	2023-05-15		Urgent LSLR_2	Urgent LSLR_2	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-04-14	2023-04-13	No		2023-04-15	ND	2023-05-04												
5037600	SDWMR_2022_A1	SDWMR_2022_A1	5559	RALEIGH ST	PEX	Copper					Ops		Lead	Lead	PEX	Copper	2023-10-22	2023-11-01	No		2024-02-23	ND	2024-03-06	2024-02-23	5.86	2024-03-06									
5036239	Urgent LSLR_3	Urgent LSLR_3	1425	INVERNESS AVE	Lead	Lead Tailpiece	PEX	Copper Tailpiece	2023-11-30	2023-11-30		Private Reimbursement	PEX	Lead	Not Replaced	Copper		2023-11-14	No		2024-03-25	ND	2024-03-29	2024-03-25	ND	2024-03-29									
5046051	Ops		4312	LYDIA ST	Copper	Copper	Not Replaced	Not Replaced			Ops		Lead	Copper	PEX	Not Replaced	2024-03-08		No	Emergency	2024-09-18	ND	2024-09-26	2024-09-18	ND	2024-09-26									
5032922	B04_09_B	B04_09_B	7315	MOUNT VERNON ST	Copper	Lead	Not Replaced	Not Replaced			E07_09		Lead	Lead	Copper	Copper	2024-04-24	2024-04-24	No		2024-09-15	215	2024-10-04	2024-09-15	365	2024-10-04									
5057394	B06_03_A	B06_03_A	913	CLIMAX ST	Lead	Lead	Not Replaced	Not Replaced			E06_03		Lead	Lead	PEX	Copper	2024-06-11	2024-06-11	No		2024-10-22	ND	2024-10-30	2024-10-22	ND	2024-10-30									

Pittsburgh Water & Sewer Authority
Operating Expenses by Account

	12 Months Ended 12/31/2015	12 Months Ended 12/31/2016	HTY 12 Months Ended 12/31/2017	12 Months Ended 12/31/2018	3 Months Ended 3/31/2019	6 Months Ended 6/30/2019	9 Months Ended 9/30/2019	12 Months Ended 12/31/2019	3 Months Ended 3/31/2020	6 Months Ended 6/30/2020	9 Months Ended 9/30/2020	12 Months Ended 12/31/2020	3 Months Ended 3/31/2021	6 Months Ended 6/30/2021	9 Months Ended 9/30/2021	12 Months Ended 12/31/2021	3 Months Ended 3/31/2022	6 Months Ended 6/30/2022	9 Months Ended 9/30/2022
Direct Operating Expenses																			
Wages & Salaries	\$ 11,035,889	\$ 11,352,097	\$ 11,942,744	\$ 14,013,848	4,065,188	8,014,211	12,655,908	17,415,267	4,291,058	8,332,447	13,504,460	18,617,022	4,560,317	10,142,527	14,923,905	20,717,547	4,983,908	11,367,357.76	16,599,048.21
## Salary/Wages	1,210,877	1,261,335	1,504,742	1,814,309	620,791	1,028,447	1,502,591	2,001,622	400,446	675,516	1,132,774	1,571,406	408,558	799,237	1,132,745	1,594,793	500,439	873,979.70	1,278,466.80
## OT Premium Pay	6,170	7,311	5,988	6,887	1,824	3,131	4,998	6,905	1,603	3,054	5,123	7,028	28,114	56,389	81,186	112,650	31,520	61,884.70	90,420.88
## Shift Differential	6,223	5,739	6,907	7,129	1,154	2,734	5,065	6,525	700	1,343	2,090	2,741	873	1,843	1,843	-	-	-	-
## Pay Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Bonus	-	3,500	-	5,500	-	-	-	-	-	-	-	-	-	-	20,500	20,500	69,213	69,212.50	69,212.50
## Holiday Pay	531,144	537,915	579,017	631,308	261,264	407,001	601,514	827,894	273,543	443,277	612,394	915,618	292,619	470,917	655,822	1,009,600	379,112	587,649.15	889,283.03
## Vacation Pay	984,336	974,011	952,563	1,065,930	267,309	477,779	895,687	1,207,626	283,011	429,237	857,520	1,279,163	304,280	619,150	1,081,837	1,580,964	376,476	731,216.12	1,209,014.00
## Other	-	262	16,230	29,800	200	100	100	100	-	-	-	-	-	-	-	1,787	1,787.29	-	1,787.29
## Sick Pay	133,341	106,802	2,602	18,316	2,886	8,441	8,504	10,148	3,892	12,517	25,749	27,481	48,386	52,159	84,200	55,215	2,254	6,182.43	6,847.83
## Personal Time Pay	444,143	455,301	450,532	558,981	170,848	329,257	465,704	618,417	198,557	325,151	471,014	620,179	168,927	469,941	653,250	856,786	249,144	568,568.04	765,504.03
## Comp Time Taken	177,275	95,045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Comp Time Earned	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Jury Duty	2,029	1,215	2,051	2,725	-	2,254	5,381	6,563	819	819	819	819	-	616	855	1,479	2,564	3,009.92	3,558.52
## Military Leave	1,092	2,982	-	-	-	2,250	2,855	2,895	594	594	594	752	-	-	4,904	4,904	-	-	-
## Suspend Pay	17,722	17,060	20,783	33,051	9,958	16,156	24,904	32,728	5,878	9,185	15,590	20,104	5,438	9,649	14,940	24,285	8,755	14,465.00	21,680.00
## Bereavement	22,974	14,515	17,987	27,723	10,423	15,336	24,663	35,046	3,902	9,397	14,440	24,901	10,471	18,713	27,777	39,833	8,812	15,170.36	27,876.39
## Paid Parental Leave	-	-	-	-	-	6,304	18,600	4,110	4,776	15,180	17,939	-	-	-	-	-	6,051	7,951.68	25,392.56
## Safe Leave	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Special	52,131	51,540	52,369	60,207	19,048	33,748	52,973	72,484	17,338	32,955	54,666	76,630	-	-	-	-	500	9,000.00	18,000.00
## Admin Leave	271,864	-	7,838	2,060	-	-	445	445	4,071	820,982	875,449	955,265	77,475	148,461	150,220	183,281	119,092	148,671.54	193,211.96
## Severance	102,382	669,892	487,504	152,174	-	-	-	-	-	-	-	-	3,600	-	-	117,468	117,468	-	-
Total Wages & Salaries	\$ 14,999,594	\$ 15,566,521	\$ 16,071,511	\$ 18,427,947	\$ 5,430,873	\$ 10,339,002	\$ 16,257,525	\$ 22,261,855	\$ 5,499,521	\$ 11,101,213	\$ 17,587,864	\$ 24,150,639	\$ 5,905,518	\$ 12,887,248	\$ 18,921,901	\$ 26,317,148	\$ 6,739,709	\$ 14,465,776	\$ 21,203,104
Employee Benefits																			
## Fed Ins Contr Act Tx	925,936	945,396	990,699	1,125,583	331,689	630,113	983,008	1,343,682	334,294	673,484	1,073,143	1,453,301	382,409	783,105	1,146,625	1,587,241	410,070	880,802.75	1,284,618.84
## Medicare	217,829	224,732	232,506	265,323	77,572	147,525	232,096	319,684	78,182	157,966	252,250	346,428	84,757	183,736	269,798	378,025	95,903	206,017.62	301,778.36
## Fed Unemploy Tax	-	-	4	-	(1)	(1)	(1)	(1)	-	-	-	-	-	-	-	-	-	-	-
## State Unemploy Tax	24,886	65,430	-	34,478	742	1,079	1,591	8,846	-	-	-	-	-	-	-	-	-	-	-
## Workers Comp Insur	199,241	349,755	561,969	(1,303)	266,402	266,402	305,362	305,362	-	-	10,670	10,670	7,410	18,506	21,715	25,415	8,803	8,802.69	8,802.69
## Med Health Ins	2,969,278	2,928,766	3,089,588	3,527,693	899,097	1,836,285	2,831,622	3,962,528	1,028,751	2,067,001	3,117,188	4,210,424	1,058,323	2,166,232	3,223,076	4,545,633	1,193,576	2,405,325.14	3,621,305.56
## Med Hlth Ins Waver	16,542	29,595	22,183	57,239	17,213	36,479	57,565	83,592	15,654	30,795	54,629	72,269	16,547	31,692	45,495	55,104	13,112	26,633.02	41,792.89
## Short Term Disability	170,670	171,661	161,659	154,581	41,354	84,374	129,440	177,013	48,662	97,028	153,812	226,692	69,223	138,960	198,662	271,027	84,467	168,784.07	253,556.94
## Long Term Disability	25,372	32,200	31,318	349,248	7,799	14,969	21,340	28,738	6,593	12,977	18,849	27,775	5,070	10,653	16,112	27,039	5,543	10,938.89	16,300.91
## Life Ins <50k	28,767	28,008	25,687	27,504	7,441	15,638	24,513	32,419	8,909	18,441	28,483	38,413	9,906	30,538	43,615	11,087	22,497.58	34,128.06	43,550.45
## Accident/Death Dismember	3,020	3,175	3,742	1,008	2,117	3,318	4,519	1,207	2,493	3,848	5,171	1,321	2,669	4,072	5,815	1,478	2,999.70	4,550.45	-
## Dental Ins	139,668	133,593	132,857	135,371	35,058	70,665	108,675	146,634	38,004	77,795	111,246	151,738	41,749	83,498	125,056	173,099	44,383	89,103.63	134,488.71
## Vision Insur	9,707	8,853	9,512	10,141	2,876	5,887	9,250	12,688	3,400	7,116	11,150	15,287	5,257	10,577	16,054	21,559	6,089	12,164.13	18,438.08
## Cost Share Week	-	-	580	487	-	-	-	1,195	-	-	-	-	-	-	-	-	-	-	95,525.38
## Uniforms	197,422	174,773	164,450	167,162	54,373	104,945	151,865	209,599	39,934	74,001	102,655	155,684	32,913	66,576	124,154	160,760	33,566	68,638.99	34,624.71
## Tuition Reimburse	28,750	22,330	35,873	68,156	35,023	95,553	71,220	104,366	5,305	40,237	53,468	64,196	44,621	57,036	71,861	4,883	29,683.73	231,068.91	-
## Retirement Benefit	(19,845)	(21,274)	(22,584)	(22,029)	(5,104)	(10,868)	(16,796)	(22,632)	(9,747)	(11,782)	(17,545)	(23,442)	(5,808)	(11,748)	(17,556)	(26,317)	(5,588)	(17,065.00)	-
## Misc Benefits	(685)	(6,027)	(14)	(1,456)	-	-	-	(21)	-	-	(1,385)	-	-	-	-	-	-	-	-
## Payroll Unpaid Except	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Employee Benefits	\$ 4,946,658	\$ 5,091,276	\$ 5,439,531	\$ 5,899,887	\$ 1,762,543	\$ 3,261,101	\$ 4,916,661	\$ 6,730,702	\$ 1,615,865	\$ 3,284,850	\$ 5,035,829	\$ 6,848,387	\$ 1,749,644	\$ 3,621,257	\$ 5,492,958	\$ 7,592,680	\$ 1,973,215	\$ 4,065,801	\$ 6,050,477
TOTAL SALARIES & BENEFITS	\$ 19,946,252	\$ 20,647,796	\$ 21,511,042	\$ 24,327,834	\$ 7,193,416	\$ 13,600,103	\$ 21,174,186	\$ 28,992,557	\$ 7,115,387	\$ 14,386,063	\$ 22,623,693	\$ 30,999,026	\$ 7,655,162	\$ 16,488,505	\$ 24,414,459	\$ 33,909,828	\$ 8,712,924	\$ 18,531,577	\$ 27,253,581

	12 Months Ended	12 Months Ended	HTY 12 Months Ended	12 Months Ended	3 Months Ended	6 Months Ended	9 Months Ended	12 Months Ended	3 Months Ended	6 Months Ended	9 Months Ended	12 Months Ended	3 Months Ended	6 Months Ended	9 Months Ended	12 Months Ended	3 Months Ended	6 Months Ended	9 Months Ended
	12/31/2015	12/31/2016	12/31/2017	12/31/2018	3/31/2019	6/30/2019	9/30/2019	12/31/2019	3/31/2020	6/30/2020	9/30/2020	12/31/2020	3/31/2021	6/30/2021	9/30/2021	12/31/2021	3/31/2022	6/30/2022	9/30/2022
Direct Operating Expenses																			
Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Catecholamines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Boiler chemicals	25,845	13,311	5,931	12,340	4,253	8,750	21,212	25,983	12,312	13,135	13,201	37,852	10,717	12,101	16,793	31,447	9,910	10,518.72	15,611.06
• Sodium Hydroxide	4,821	1,320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Clarifier	45,946	22,996	57,540	60,505	13,524	40,943	81,808	108,736	37,879	50,379	76,172	88,779	27,332	31,812	63,033	75,641	12,613	28,410.35	75,724.25
• Caustic Soda	636,432	544,132	592,052	799,816	224,920	241,061	225,057	225,790	-	1,808	2,893	3,978	1,800	833	1,110	1,666	347	348.91	607.11
• Sodium Bisulfite	48,111	-	-	-	-	-	-	-	-	-	-	-	1,493	1,493	-	23,319	37,222.64	61,548.88	-
• Sodium Permanganate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29,447	-	-	134,556.24
• Citric Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,862.52
• Copper Sulfate	11,773	11,657	1,670	-	-	-	-	-	-	4,910	6,585	9,920	-	-	3,200	6,720	-	-	-
• Fats	54,495	21,288	46,882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Free Chlorine	1,440,493	1,395,342	1,411,090	1,411,090	294,236	833,295	1,246,132	1,823,669	402,369	778,795	1,122,147	1,504,817	486,000	766,491	1,128,891	1,455,527	604,356	1,064,238.0	1,721,649.58
• Hydrofluoric Acid	152,531	127,779	132,717	177,308	30,236	60,741	113,047	140,479	35,292	89,429	125,392	150,933	37,528	67,990	106,330	138,961	30,584	100,147.12	130,275.69
• Lime	209,389	199,639	211,807	70,080	7,394	169,925	323,028	462,458	126,325	258,314	386,225	529,639	129,550	260,841	398,438	546,091	160,042	326,488.80	492,991.39
• Powdered Activated Carbon	335,080	448,504	332,793	159,855	-	423,451	129,176	147,338	-	-	-	-	131,332	214,584	294,684	375,168	-	-	-
• Sodium Bicarbonate	-	50,926	-	-	-	-	-	-	-	-	-	-	-	-	88,050	88,050	-	-	-
• Sodium Hypochlorite	182,395	893,638	878,172	986,761	206,887	435,027	605,155	820,686	247,861	441,601	589,665	722,716	275,528	374,563	524,828	671,147	130,982	255,516.27	394,241.86
• Sodium Hydroxide	200,664	358,197	349,780	320,130	72,718	179,099	330,828	433,054	73,778	183,631	322,561	445,308	88,011	173,456	454,488	459,862	225,454	389,915.10	631,773.05
• Sodium Carbonate Peroxyhydrate	3,386,154	12,720	12,720	15,960	-	-	-	-	-	-	8,490	16,480	-	-	4,000	4,000	-	6,640.00	11,223.00
Chemicals	\$ 3,386,154	\$ 4,096,610	\$ 3,775,165	\$ 3,966,455	\$ 873,219	\$ 2,183,300	\$ 3,324,850	\$ 4,499,921	\$ 1,003,588	\$ 2,081,425	\$ 3,002,894	\$ 3,925,786	\$ 967,562	\$ 1,736,192	\$ 2,832,402	\$ 3,713,383	\$ 2,341,963	\$ 3,975,127	
Vehicles																			
• Computer Peripherals	54,702	105,601	295,965	289,652	239,654	326,182	449,986	688,714	95,245	139,243	264,238	337,329	313,357	399,752	554,843	1,120,979	64,047	143,042.00	316,540.00
• Computers & Networks	66,602	82,213	398,517	378,556	126,640	16,283	16,283	20,577	14,383	139,243	140,400	140,400	3,328	35,005	128,024	29,394	50,677.96	50,677.96	
• Furniture	7,883	33,866	40,969	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	14,386	
• Grounds & Maintenance	10,632	29,235	28,505	28,500	8,403	18,498	30,273	67,378	24,651	56,414	82,467	143,863	61,284	151,824	172,480	300,015	55,726	96,161.22	123,330.05
• Machinery & Equipment	142,437	140,336	131,843	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	101,166	
• Office Equipment	248,095	179,779	98,202	233,740	607,111	1,026,686	1,854,567	2,543,999	411,117	71,719	151,835	173,961	68,789	197,657	343,542	398,031	288,520	387,716.76	459,014.33
• Pumps & Motors	596	-	3,892	1,306	238	359	359	4,930	325	35,891	38,991	37,070	308	435	5,988	6,548	549	1,210.25	1,975.37
• SCADA Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Vehicles	588,272	166,806	614,171	1,330,946	1,174,183	1,939,084	1,940,310	2,341,473	312,001	484,584	577	577	242,395	322,250	373,546	801,894	132,590	949,480.00	9,231.421
Equipment	\$ 1,119,323	\$ 754,325	\$ 1,432,148	\$ 1,570,461	\$ 2,069,737	\$ 3,427,061	\$ 4,429,312	\$ 5,900,312	\$ 312,001	\$ 2,381,143	\$ 737,222	\$ 933,309	\$ 4,061,310	\$ 6,254,633	\$ 6,734,320	\$ 8,128,254	\$ 4,905,065	\$ 6,252,431	
Materials																			
• Asphalt Cold Patch	-	10,688	22,994	94,307	28,602	48,442	79,178	86,631	29,736	40,935	62,640	85,097	17,347	34,248	47,216	66,238	26,067	45,215.08	63,772.10
• Asphalt Cold-Cut	58,190	45,669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Asphalt Hot-Cut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Asphalt Mortar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Asphalt Patch Bit Seal	-	4,076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Brick	1,740	300	340	-	543	543	543	543	543	543	543	543	543	543	543	543	543	543	
• Cement Based	3,611	4,580	5,217	1,747	60	182	310	1,243	121	268	496	881	1,946	2,792	2,967	3,467	364	730.63	1,328.41
• Gravel	12,863	17,255	8,933	1,325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Iron Steel Bars	4,560	3,909	2,945	2,002	5,097	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	7,047	
• Lumber	18,211	12,908	20,206	13,177	9,547	10,701	16,690	21,886	6,201	11,264	18,118	26,047	9,176	17,988	29,463	37,554	12,638	18,192.04	32,308.41
• Sand	71,012	68,221	73,881	8,481	2,811	3,237	4,861	7,971	10,916	15,458	22,608	26,047	11,767	13,177	14,786	16,386	17,988	18,192.04	32,308.41
• Stone	204,312	281,399	304,607	300,668	177,621	260,564	300,668	338,716	102,916	154,163	204,312	281,399	304,607	300,668	338,716	371,021	129,979	268,422.11	377,267.44
• Top Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• Stone	4,700	4,150	1,800	5,296	500	1,500	1,500	3,450	812	971	1,421	3,000	1,877	1,421	3,000	3,000	296	2,046.00	4,347.00
Vehicles	\$ 779,218	\$ 429,394	\$ 464,778	\$ 495,837	\$ 142,089	\$ 249,066	\$ 386,601	\$ 524,002	\$ 138,973	\$ 208,912	\$ 329,995	\$ 455,807	\$ 122,602	\$ 1,400,008	\$ 368,758	\$ 489,999	\$ 169,344	\$ 336,847	\$ 430,081

Direct Operating Expenses	12 Months	12 Months	HTY	12 Months	3 Months	6 Months	9 Months	12 Months	3 Months	6 Months	9 Months	12 Months	3 Months	6 Months	9 Months	12 Months	3 Months	6 Months	9 Months	12 Months	3 Months	6 Months	9 Months
	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended	Ended
	12/31/2015	12/31/2016	12/31/2017	12/31/2018	3/31/2019	6/30/2019	9/30/2019	12/31/2019	3/31/2020	6/30/2020	9/30/2020	12/31/2020	3/31/2021	6/30/2021	9/30/2021	12/31/2021	3/31/2022	6/30/2022	9/30/2022	12/31/2021	3/31/2022	6/30/2022	9/30/2022
Operating Contracts																							
## Sewer Line Contract	2,420,966	1,079,622	2,879,646	3,127,669	1,456,927	3,010,542	4,060,022	6,631,750	768,427	2,456,919	4,684,427	8,056,519	3,617,097	6,679,691	7,093,980	12,197,606	1,137,732	3,858,749.99	5,388,095.42				
## Baller Compressor Elevtr	3,602	544	9,504	53,336	18,953	17,963	17,963	17,963	-	-	-	-	-	119	832	1,789	-	-	-	-	-	-	-
## CB Cleanout	1,021,519	858,332	917,968	707,837	190,465	397,854	567,860	732,139	172,345	318,548	520,507	752,218	83,034	300,670	563,807	766,916	111,046	158,429.00	306,197.00	-	-	-	-
## CB Repairs	-	-	-	-	-	48,514	48,514	48,514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Curb Box Repair	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Odors Removal	121,524	159,250	159,486	198,360	74,916	129,653	214,235	271,258	87,434	136,458	217,852	302,860	68,904	119,196	190,740	253,044	59,532	118,599.00	121,029.00	-	-	-	-
## Flow Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Dismantle	23,403	16,503	26,168	32,118	12,387	17,656	30,105	37,574	12,128	11,153	34,141	46,827	32,639	14,889	32,639	54,766	7,435	13,378.99	26,272.58	-	-	-	-
## Vector Debris Remove Cont	38,863	55,132	55,796	61,566	19,771	67,822	111,326	-	-	4,541	106,739	154,930	-	-	46,409	216,304	-	-	-	-	-	-	-
## Water Line Contract	1,403,171	2,533,443	2,186,565	3,864,918	532,674	1,519,261	3,495,652	5,777,901	861,230	1,988,841	3,244,768	5,365,542	632,850	1,446,098	2,032,662	4,175,951	532,396	2,973,969.74	3,785,700.63	-	-	-	-
## Manhole & Point Repair Contract	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Pump & Motor Contract	456,267	-	(268,857)	1,313,960	295,681	469,811	576,967	1,117,628	(39,332)	(43,335)	(38,150)	(34,374)	-	643	1,081	-	-	-	-	-	-	-	18,750.00
## Miscellaneous Inspection	709,184	1,050,150	1,088,490	793,856	153,851	381,802	518,019	698,229	236,605	544,518	799,878	1,424,101	393,956	826,156	1,758,088	2,706,352	643,081	1,425,471.83	1,972,835.50	-	-	-	-
## Line Television	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Key & Lock Services	11	-	524	1,363	-	-	-	-	11	-	1,230	1,230	39	39	130	143	-	-	126.00	-	-	-	-
## Landscare & Grounds	62,192	69,883	86,046	87,840	52,970	52,970	86,588	90,869	29,300	71,075	112,635	118,865	122,015	133,215	231,470	334,444	524	41,154.22	147,705.61	-	-	-	-
## Flagging	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Miscellaneous Operating Contracts	1,085,437	2,445,907	2,250,760	1,996,527	502,686	759,047	1,210,706	1,816,157	1,057,893	2,339,929	3,600,057	5,296,671	1,419,389	2,051,911	3,888,498	5,937,187	1,001,847	2,420,566.10	3,384,788.00	-	-	-	-
## Security Guards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Line Localize	(72,174)	(114,327)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Sewage Treatment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Temporary Help	259,965	2,251,713	1,445,888	254,245	-	-	206	206	-	-	-	-	8,618	32,327	51,598	68,100	15,342	21,269.93	22,461.93	-	-	-	-
## Welding	4,418	139	-	-	360	360	360	360	-	-	15,500	15,500	-	-	-	-	-	-	-	-	-	-	-
## Water Relay D1SC	-	-	2,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Sewer Relay D1SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operating Contracts	\$ 7,538,348	\$ 10,410,802	\$ 10,840,784	\$ 12,493,984	\$ 3,311,440	\$ 6,796,205	\$ 10,895,140	\$ 17,352,454	\$ 3,186,030	\$ 7,830,647	\$ 13,299,586	\$ 21,500,889	\$ 6,360,790	\$ 11,822,704	\$ 15,904,004	\$ 27,712,601	\$ 3,968,937	\$ 11,031,579	\$ 15,173,964	-	-	-	-
Repairs & Maintenance																							
## Annual Software Support	356,830	433,366	931,829	678,146	137,199	180,876	423,272	916,955	114,782	525,582	858,762	1,424,283	256,913	589,347	1,087,419	1,857,369	823,885	1,208,916.03	1,490,196.13	-	-	-	-
## Building & Property Repairs	146,415	121,635	390,277	224,243	102,135	151,844	174,739	188,512	31,746	61,037	84,250	173,305	60,230	124,417	269,945	370,605	45,989	140,271.83	212,789.32	-	-	-	-
## Computer Hardware Maintenance	44,925	173,115	19,905	30,592	-	-	17,375	17,662	-	2,966	36,966	43,050	32,002	42,590	76,530	122,291	7,793	31,298.60	73,012.42	-	-	-	-
## Computer Software Support	-	-	-	-	-	-	-	-	-	-	47,500	48,050	11,875	23,750	47,500	66,307	26,735	63,447.50	84,785.00	-	-	-	-
## Surface Restoration	3,010,703	2,565,787	3,973,696	6,929,304	550,686	1,029,837	3,216,757	6,318,850	291,128	296,314	3,247,357	5,248,496	1,156,737	1,199,253	4,470,762	7,394,000	771,632	2,893,469.73	5,466,688.87	-	-	-	-
## Crane Repairs	1,000	14,656	8,405	882	6,945	882	17,017	18,029	7,052	9,106	34,246	40,971	19,445	19,445	26,210	26,400	-	-	-	-	-	-	-
## Electrical Repairs	49,284	80,316	58,471	143,886	20,754	71,774	139,365	269,525	53,560	68,967	136,042	175,886	49,464	70,283	73,479	17,554	40,271.26	40,336.62	-	-	-	-	
## Fence Repairs	2,910	5,206	-	1,990	560	2,514	2,514	11,966	36,645	40,049	42,175	12,576	39,266	45,795	52,700	52,700	2,960.00	2,960.00	-	-	-	-	-
## Chemical Removal	-	8,306	1,541	6,292	-	-	1,966	-	13,309	13,309	239,142	239,142	239,142	239,142	239,142	251,252	8,677.00	40,944.51	-	-	-	-	-
## GIS Hardware & Software Mainte	87,010	57,807	42,419	10,758	4,733	84,621	129,105	151,652	767	1,534	2,301	3,068	816	1,632	2,720	2,992	1,088	1,904.00	2,176.00	-	-	-	-
## Hardware Repairs	-	-	2,135	2,781	7,544	8,124	22,608	38,853	35,665	32,326	32,326	32,326	2,003	3,044	3,148	7,099	-	-	-	-	-	-	-
## HVAC & Plumbing Repairs	22,401	53,726	16,389	64,351	25,686	42,595	66,907	64,111	36,493	66,688	91,329	157,489	67,624	85,479	115,152	134,772	21,617	46,029.71	49,422.88	-	-	-	-
## Hydrant, A Section	7,446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Hydrant Misc Parts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Hydrant Repair Parts	539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Machinery Repairs	123,518	19,243	6,365	139,483	26,591	32,238	42,099	60,591	13,069	17,936	24,132	43,085	57,333	104,202	133,070	181,084	47,396	113,097.58	132,098.93	-	-	-	-
## Office Equip Repairs	13,146	4,116	-	-	100	100	100	100	-	-	1,156	1,156	781	781	781	1,548	160	220.92	322.84	-	-	-	-
## Plant Repairs	-	-	-	-	11,031	18,831	34,690	136,910	31,904	93,152	290,089	297,515	56,303	100,425	208,407	320,729	86,505	126,727.75	165,307.18	-	-	-	-
## Power Tool Repairs	3,567	5,571	8,525	1,506	295	5,948	5,948	5,948	1,796	1,796	1,796	1,796	9,921	10,482	13,021	13,103	-	678.06	671.06	-	-	-	-
## Road Repair Plant	-	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Scissor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Tool Repairs	84,854	5,346	4,475	7,653	-	3,177	3,269	3,269	120	435	898	983	185	2,307	5,703	5,309	-	5,954.65	5,954.65	-	-	-	-
## Hand Tool Repairs	6,780	4,296	1,870	165	589	589	1,688	1,688	1,434	1,475	1,475	1,475	-	257	257	2,208	992	(0.00)	(0.00)	-	-	-	-
## Misc Tool Repairs	380	672	500	5,470	71	607	467	779	779	779	779	779	648	834	834	1,299	281	(0.00)	(0.00)	-	-	-	-
## CC TV Repairs	92,627	78,062	85,556	144,253	70,017	127,909	180,590	223,473	23,432	23,472	23,978	25,493	-	-	-	-	-	-	-	-	-	-	-
## Vector Repairs	64,634	50,591	4,933	22,104	186	1,746	1,746	13,409	2,287	8,704	11,072	17,258	-	-	-	-	-	-	-	-	-	-	-
## Vehicle Repairs	151,830	378,059	79,124	6,630	2,138	2,218	5,745	22,476	25,105	52,380	94,658	890,330	62,140	151,048	216,620	674,450	50,050	466,836.84	721,571.45	-	-	-	-
## Repair Maint Other	202,786	214,538	128,395	299,058	130,475	166,380	206,355	618,629	38,297	59,815	97,049	186,261	29,219	47,052	57,776	68,994	2,749	62,488.03	79,017.84	-	-	-	-
Repairs & Maintenance	\$ 4,474,883	\$ 4,275,104	\$ 5,774,315	\$ 8,810,285	\$ 1,091,002	\$ 1,646,382	\$ 4,662,755	\$ 9,076,188	\$ 721,323	\$ 1,361,300	\$ 5,131,459	\$ 8,700,610	\$ 2,124,158	\$ 2,895,096	\$ 7,091,976	\$ 11,428,042	\$ 1,904,406	\$ 5,213,705	\$ 8,568,904	-	-	-	-

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Direct Operating Expenses	HTY																					
	12 Months Ended 12/31/2015	12 Months Ended 12/31/2016	12 Months Ended 12/31/2017	12 Months Ended 12/31/2018	3 Months Ended 3/31/2019	6 Months Ended 6/30/2019	9 Months Ended 9/30/2019	12 Months Ended 12/31/2019	3 Months Ended 3/31/2020	6 Months Ended 6/30/2020	9 Months Ended 9/30/2020	12 Months Ended 12/31/2020	3 Months Ended 3/31/2021	6 Months Ended 6/30/2021	9 Months Ended 9/30/2021	12 Months Ended 12/31/2021	3 Months Ended 3/31/2022	6 Months Ended 6/30/2022	9 Months Ended 9/30/2022			
Misc. Operating																						
## Testing Misc	89,803	187,347	847,210	805,853	146,273	253,195	812,047	1,025,998	177,022	318,868	528,082	448,212	94,034	389,313	480,391	627,450	77,623	177,646.68	275,228.59			
Misc. Operating	\$ 89,803	\$ 187,347	\$ 847,210	\$ 805,853	\$ 146,273	\$ 253,195	\$ 812,047	\$ 1,025,998	\$ 177,022	\$ 318,868	\$ 528,082	\$ 448,212	\$ 94,034	\$ 389,313	\$ 480,391	\$ 627,450	\$ 77,623	\$ 177,647	\$ 275,229			
Inventor - Casinos																						
## Casino Marquee Chain	12,812	133,256	107,127	27,286	-	167,936	137,892	151,212	6,886	8,509	30,208	33,882	407	15,200	29,482	35,438	2,328	6,138.73	6,138.73			
## Casino Risers/Lids	49,798	-	-	-	-	6,716	6,716	15,707	1,153	(1,824)	3,164	8,481	315	23,112	71,951	78,996	10,908	27,708.74	31,490.56			
## Casino Sewer Inlet	-	8,443	3,273	490	-	-	-	3,220	7,276	8,169	15,068	15,068	-	1,798	12,262	18,700	-	2,374.58	2,648.95			
## Casino Water Valve Box	-	-	39,613	-	-	-	-	122	49,426	16,043	42,472	114,844	130,605	12,594	111,130	219,244	304,884	18,626	66,202.14			
Inventor - Casinos	\$ 62,610	\$ 141,699	\$ 150,013	\$ 27,675	\$ -	\$ 174,652	\$ 144,730	\$ 219,564	\$ 31,359	\$ 57,327	\$ 163,285	\$ 188,036	\$ 13,316	\$ 151,240	\$ 333,029	\$ 438,019	\$ 31,862	\$ 102,424	\$ 118,496			
Inventor - Clarifier																						
## Clarifier Part Flc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
## Clarifier Part Screw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
## Clarifier Part Sludge	-	-	19,987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Inventor - Clarifier	\$ -	\$ -	\$ 19,987	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Inventor - Equipment																						
## Inventory-Equip	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	7,488			
## Fire Extinguishers	542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
## Materials-Handling	22,010	40	-	-	-	-	-	-	-	1,155	1,155	2,475	3,960	3,960	3,960	3,960	-	-	-			
## Safety Equipment	24,628	33,800	40,994	71,687	12,212	34,741	73,267	122,056	11,579	34,974	44,659	62,634	21,173	38,946	41,389	71,621	17,949	22,519.00	32,880.06			
## Vacuum Cleaners	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Inventor - Equipment	\$ 47,180	\$ 33,840	\$ 40,994	\$ 71,689	\$ 12,212	\$ 34,741	\$ 73,267	\$ 122,057	\$ 11,579	\$ 36,129	\$ 45,814	\$ 65,109	\$ (25,133)	\$ (42,906)	\$ (45,349)	\$ (75,581)	\$ (17,949)	\$ (22,519)	\$ (40,368)			
Inventor - Hardware																						
## Inventory-Hardware	39,753	31,345	15,449	15,054	2,262	6,058	12,798	26,108	2,389	5,200	7,579	11,594	1,682	6,518	9,144	15,636	4,319	6,277.09	229,462.23			
## Fitness	296,117	172,216	203,114	286,547	72,322	266,674	407,209	511,380	28,402	90,341	84,038	139,925	42,201	69,249	122,822	200,645	45,762	86,037.26	124,035.48			
## Hardware Other	17,398	307	1,793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
## House Fitnes	3,300	14,056	17,854	18,308	2,355	6,138	14,237	20,070	2,238	4,257	6,476	8,331	3,340	4,237	5,994	12,035	5,871	6,310.61	7,649.89			
## Key & Locks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,877.64			
## Lights	983	1,363	1,587	33,848	584	1,945	7,025	9,278	481	794	2,632	4,180	847	3,167	3,452	9,895	815	1,001.54	7,595.51			
## Machinery Misc	-	490	-	-	-	-	-	-	3,180	8,950	8,950	10,015	8,475	8,475	8,475	13,514	-	(4,771.03)	13,705.80			
## Meters	244,179	1,578	300,155	516,097	4,769	37,727	39,619	39,919	2,292	4,390	6,061	10,825	7,347	7,729	8,323	10,683	254	5,659.40	8,808.06			
## Plumbing Inv Exp	18,897	39,288	97,393	45,848	5,008	52,520	90,289	95,194	1,836	5,725	9,090	10,945	3,852	6,785	15,139	22,634	3,570	3,895.23	6,013.12			
## Power Tool Inv Exp	1,927	3,431	1,722	1,320	-	-	-	-	1,934	5,569	5,569	9,265	1,610	5,752	6,531	13,646	1,494	2,909.64	71,303.10			
## Tools Inv Exp	63,247	57,914	75,076	108,192	19,792	80,903	124,855	185,629	27,972	52,077	90,493	125,316	43,471	73,089	97,929	148,504	29,218	44,714.31	-			
## Hand Tools Inv Exp	-	-	3,461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Inventor - Hardware	\$ 685,803	\$ 321,497	\$ 718,096	\$ 1,025,215	\$ 107,092	\$ 450,964	\$ 696,033	\$ 887,578	\$ 70,784	\$ 137,303	\$ 220,888	\$ 326,356	\$ 112,826	\$ 185,010	\$ 277,810	\$ 447,193	\$ 91,303	\$ 152,034	\$ 470,297			
Inventor - Heavy Equipment																						
## Backhoe	1,796	1,242	1,393	1,217	(627)	218	585	3,861	-	-	-	556	-	789	789	789	-	-	-			
Inventor - Heavy Equipment	\$ 1,796	\$ 1,242	\$ 1,393	\$ 1,217	\$ (627)	\$ 218	\$ 585	\$ 3,861	\$ -	\$ -	\$ -	\$ 556	\$ -	\$ 789	\$ 789	\$ 789	\$ -	\$ -	\$ -			

	12 Months Ended 12/31/2015	12 Months Ended 12/31/2016	12 Months Ended 12/31/2017	12 Months Ended 12/31/2018	3 Months Ended 3/31/2019	6 Months Ended 6/30/2019	9 Months Ended 9/30/2019	12 Months Ended 12/31/2019	3 Months Ended 3/31/2020	6 Months Ended 6/30/2020	9 Months Ended 9/30/2020	12 Months Ended 12/31/2020	3 Months Ended 3/31/2021	6 Months Ended 6/30/2021	9 Months Ended 9/30/2021	12 Months Ended 12/31/2021	3 Months Ended 3/31/2022	6 Months Ended 6/30/2022	9 Months Ended 9/30/2022
Direct Operating Expenses																			
Inventory - Miscellaneous																			
## Inventory-Misc	41,546	35,584	48,866	43,346	1,523	7,972	28,568	29,421	4,756	11,603	15,033	18,516	6,427	18,230	57,842	121,075	3,633	11,755	14,746.08
## Batteries	-	-	-	-	-	-	59	210	-	64	14	596	-	-	-	216	-	247	545.28
## Cleaners	50,397	39,650	42,649	45,162	6,992	34,830	41,905	39,668	1,088	8,905	7,314	14,283	1,241	3,723	4,061	6,319	2,238	4,268.71	5,308.81
## Concrete Accessories	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Coiler Paper	366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Filters	-	-	1,308	-	-	-	-	193	-	-	-	-	-	-	-	-	-	-	-
## Filters HVAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Flexible	1,296	1,960	26	11,031	77	7,931	8,185	14,526	-	140	161	1,883	16	470	470	470	501	500.88	500.88
## Lanes	-	-	2,477	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Lubrication Oil	12,878	8,169	4,371	3,385	7,249	12,900	20,102	17,721	2,674	3,418	10,676	424	5,270	5,378	8,901	5,334	912.27	1,365.12	-
## Paint Old Putty Glass	6,620	13,942	7,466	7,465	2,188	5,931	8,505	11,533	993	2,820	3,426	10,818	259	3,237	3,362	8,431	623	742.36	1,625.12
## Plastic Products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Pumps Oil	1,201	-	-	-	-	-	1,594	-	-	-	343	-	-	-	-	-	-	-	-
## Sewer Mats/Suoles	138	3,187	249	3,208	(72)	1,025	1,572	2,664	421	893	3,122	5,364	5,036	8,104	8,104	1,741	1,104	3,645.44	-
## Teshing Dets	-	-	-	2,023	-	-	-	-	-	681	681	1,588	-	1,021	1,942	1,942	-	-	-
## Vehicle Oil	5,116	-	-	-	-	-	-	-	-	-	9	1	-	-	1	-	-	-	-
## Welding Supplies/Inventory	336	98	153	(117)	107	111	507	562	-	-	-	-	-	-	-	-	-	-	-
Inventory - Miscellaneous	\$ 122,055	\$ 97,540	\$ 127,568	\$ 102,443	\$ 14,200	\$ 65,051	\$ 102,201	\$ 140,133	\$ 8,979	\$ 23,778	\$ 32,227	\$ 57,866	\$ 13,404	\$ 40,056	\$ 83,181	\$ 155,459	\$ 9,515	\$ 20,409	\$ 27,725
Inventory - Parts																			
## Parts Other	192,023	165,630	160,899	152,786	13,005	56,666	96,460	136,633	9,701	16,009	25,888	36,631	16,772	69,123	79,031	111,017	5,350	11,108.62	29,385.74
## Parts Vehicle	-	-	-	-	-	-	13,567	18,038	-	13,527	18,470	127,101	268,300	36,778	126,430	40,813	82,706.66	105,087.33	-
Inventory - Parts	\$ 192,023	\$ 165,630	\$ 160,899	\$ 152,786	\$ 13,005	\$ 56,666	\$ 97,410	\$ 170,139	\$ 27,740	\$ 85,488	\$ 139,179	\$ 173,070	\$ 53,506	\$ 171,193	\$ 201,212	\$ 369,316	\$ 46,163	\$ 93,814	\$ 134,473
Inventory - Fuel																			
## Fuel	9,134	13,301	1,589	(6,767)	7	1,263	1,429	1,904	1,375	1,380	4,452	4,452	937	937	937	1,865	1,865	1,865	1,865
## Fuel Ductile	13,496	15,806	56,324	5,080	60,604	50,000	109,368	148,948	148,948	389,736	523,557	523,557	322,839	322,839	322,839	322,839	237,387	37,574.14	61,884.70
## Fuel Plastic	16,177	-	-	-	-	-	21	72	2,619	2,796	2,900	54	1,856	1,994	2,047	2,543	3,803.69	4,000.16	4,000.16
## Fuel Service Line	-	-	-	-	1,773	4,573	8,274	3,774	8,100	8,100	7,996	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796
Inventory - Fuel	\$ 110,866	\$ 55,938	\$ 57,910	\$ 19,558	\$ 6,860	\$ 66,103	\$ 110,071	\$ 247,327	\$ 114,570	\$ 226,188	\$ 405,365	\$ 541,653	\$ 170,087	\$ 244,297	\$ 334,442	\$ 550,611	\$ 242,955	\$ 384,891	\$ 540,853
Inventory - Values																			
## Values <12in	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Values >12in	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Values GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Values Misc	161,920	91,230	146,296	81,812	(420)	128,469	235,066	258,003	24,051	46,611	57,819	96,029	30,028	50,887	74,852	125,740	67,424	107,180	247,509
Inventory - Values	\$ 161,920	\$ 91,230	\$ 146,286	\$ 81,812	\$ (420)	\$ 128,469	\$ 235,066	\$ 258,003	\$ 24,051	\$ 46,611	\$ 57,819	\$ 96,029	\$ 30,028	\$ 50,887	\$ 74,852	\$ 125,740	\$ 67,424	\$ 107,180	\$ 247,509
INVENTORY TOTAL	\$ 1,384,257	\$ 908,616	\$ 1,428,146	\$ 1,482,955	\$ 152,322	\$ 978,865	\$ 1,439,283	\$ 2,048,723	\$ 289,062	\$ 612,824	\$ 1,005,248	\$ 1,448,874	\$ 418,299	\$ 886,378	\$ 1,350,664	\$ 2,127,709	\$ 507,170	\$ 883,221	\$ 1,579,730
Direct Operating TOTAL	\$ 38,318.27	\$ 41,709.99	\$ 46,070.38	\$ 55,691.24	\$ 14,999.48	\$ 294,213.7	\$ 414,742.73	\$ 640,159.33	\$ 12,943.36	\$ 27,304.63	\$ 48,722.17	\$ 69,502.53	\$ 21,823.918	\$ 68,681.70	\$ 99,119.97	\$ 88,184.26	\$ 18,505.80	\$ 43,421.24	\$ 65,560.49
Fuel																			
## Bank Fees	172.412	252.616	289.314	278.243	60.590	194.074	197.907	263.420	50.987	123.641	197.032	269.932	72.089	143.450	215.139	294.867	70.279	165.578	205.409.90
## Certification Fees	2,999	2,600	11,423	3,319	144	709	2,718	70	1,548	2,799	2,799	2,200	2,325	3,114	3,984	703	1,487.72	1,983.72	-
## Permits	34,276	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420	40,420
## Certification Fees	13,641	6,009	7,165	24,134	9,696	50,824	53,884	57,827	48,820	48,820	49,920	75,720	53,400	414,567	441,954	2,399,202	59,738	314,509.31	311,062.90
## Restoration Fees	1,828	2,874	1,150	41	-	208	408	934	1,320	1,587	1,587	50	100,050	103,136	103,213	2,567	3,396.66	9,073.32	-
## Licenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Customer CC Fees	169,648	180,363	240,363	424,117	122,723	181,409	402,576	543,823	137,458	293,702	487,462	518,234	130,783	227,318	327,550	432,702	110,091	224,643.68	328,421.99
Total Fuel	\$ 384,054	\$ 475,964	\$ 589,898	\$ 765,767	\$ 237,885	\$ 416,060	\$ 708,141	\$ 936,827	\$ 262,378	\$ 508,034	\$ 714,770	\$ 1,649,339	\$ 267,401	\$ 918,013	\$ 1,351,767	\$ 3,314,425	\$ 272,931	\$ 790,752	\$ 997,527
Freight and Postage																			
## Freight	50	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Freight	15,264	19,506	29,611	50,990	23,012	33,894	48,977	63,490	16,566	21,866	29,508	40,208	7,824	11,373	22,382	23,480	2,660	3,379.76	3,841.51
## Freight	682,256	627,744	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425	625,425
Total Freight and Postage	\$ 697,580	\$ 427,333	\$ 485,501	\$ 559,151	\$ 184,686	\$ 340,564	\$ 517,885	\$ 795,333	\$ 20,687	\$ 125,987	\$ 249,829	\$ 370,553	\$ 90,842	\$ 208,191	\$ 323,978	\$ 437,793	\$ 148,495	\$ 215,625	\$ 358,988

Direct Operating Expenses	12 Months Ended 12/31/2015	12 Months Ended 12/31/2016	HTY 12 Months Ended 12/31/2017	12 Months Ended 12/31/2018	3 Months Ended 3/31/2019	6 Months Ended 6/30/2019	9 Months Ended 9/30/2019	12 Months Ended 12/31/2019	3 Months Ended 3/31/2020	6 Months Ended 6/30/2020	9 Months Ended 9/30/2020	12 Months Ended 12/31/2020	3 Months Ended 3/31/2021	6 Months Ended 6/30/2021	9 Months Ended 9/30/2021	12 Months Ended 12/31/2021	3 Months Ended 3/31/2022	6 Months Ended 6/30/2022	9 Months Ended 9/30/2022
Leases & Rents																			
## Cooler Fax Machine	73.208	75.671	80.279	77.013	27.550	49.553	64.219	93.709	13.742	36.044	64.282	84.898	20.256	35.262	63.486	85.132	21.073	31.291.17	46.234.61
## Bus Rental	44.883	141.053	181.748	803.705	43.285	88.440	144.053	238.376	32.224	86.504	133.311	181.872	22.844	47.029	77.447	93.343	8.494	46.597.89	75.091.86
## Office Rent	654.635	653.311	682.316	707.415	584.786	571.301	775.921	912.350	387.749	571.542	779.838	971.698	299.959	508.433	725.250	337.653	555.293.85	767.165.80	
## Parking Lease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Radisson(City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Leases & Rents	\$ 772.726	\$ 870.535	\$ 944.343	\$ 1,588.133	\$ 429.601	\$ 709.295	\$ 984.156	\$ 1,244.419	\$ 423.714	\$ 692.090	\$ 977.432	\$ 1,248.268	\$ 343.059	\$ 590.724	\$ 866.139	\$ 1,044.947	\$ 367.159	\$ 633.183	\$ 892.492
Professional Services																			
## Advertising	8.709	21.137	29.088	28.962	12.136	27.768	37.389	45.975	5.134	6.051	9.900	13.754	4.445	13.997	15.679	18.618	3.029	10.590.56	11.664.06
## Annual Report	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Advertising - Marketing	115.910	148.516	18.465	29.427	4.684	5.068	5.068	5.068	-	-	-	-	-	-	-	-	-	-	-
## Annual Audit	97.390	48.670	59.170	64.308	42.000	49.683	49.683	49.683	46.000	48.613	48.613	48.613	37.500	50.108	50.198	37.500	53.632.37	53.632.37	
## Billco Contract	291.961	511.118	486.391	832.775	119.341	218.794	362.682	470.173	118.429	237.814	315.517	408.853	73.941	148.020	197.511	253.616	77.967	167.089.16	236.339.96
## Collection Agency	13.741	24.895	44.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Consultants	3,122.437	1,109.115	1,087.403	1,161.923	150.431	255.110	299.885	502.507	374.937	802.018	1,500.965	2,298.014	549.474	1,110.999	1,516.424	1,966.571	826.900	2,557.245.00	4,113.715.10
## Consumer Confidence Rot	4.549	1.481	1.707	-	-	-	2.171	2.171	-	-	1.476	1.476	-	-	-	-	-	-	-
## Continuence	433.425	24.257	22.111	11.765	-	-	146.800	146.800	109.785	109.785	134.585	134.585	24.800	-	49.600	-	-	-	-
## Construction Management	-	-	228.247	147.182	-	15.472	15.472	28.631	10.388	10.388	18.395	69.487	-	-	-	134.419	-	3,282.81	11,126.32
## Creative Engineers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Non Capital Engineering Services	368.053	4,506.051	7,314.114	3,583.069	292.303	891.047	1,600.154	5,264.191	1,228.844	2,137.812	2,828.884	3,965.869	480.595	900.696	1,473.239	2,451.037	535.477	1,102.604.00	1,555.886.49
## Ins. Auto	59.763	145.925	169.391	29.307	73.057	73.057	73.057	74.044	128.253	128.253	128.253	128.253	46.639	46.639	47.383	68.166	68.166	68.166	68.166
## Ins.Commercial Prop	292.011	162.871	210.767	215.332	226.172	226.172	226.172	226.172	255.350	255.350	255.350	255.350	241.203	241.203	241.203	241.203	241.203	241.203	241.203
## Ins.Gen Liability	4.786	5.018	5.308	20.798	21.637	21.637	21.637	21.637	22.500	22.500	22.500	22.500	24.421	24.421	26.495	26.495	77.234.00	77.234.00	77.234.00
## Ins.Officers,Director	162.166	147.110	63.812	74.349	74.528	74.528	74.528	74.528	77.306	77.306	77.306	77.306	117.308	117.308	117.308	140.923	140.923.00	140.923.00	140.923.00
## Ins.WorkersComp	-	-	-	-	-	-	-	-	444.043	444.043	444.043	480.217	425.469	425.469	425.469	425.469	447.152	447.152.00	447.152.00
## Ins.WorkersComp.Civ	42.420	40.025	18.120	33.352	7.897	17.959	25.666	33.352	7.897	17.959	25.666	33.352	8.400	8.400	14.346	28.219	7.928	11.814.82	11.814.82
## Insurance Cyber	40.022	54.300	44.508	68.656	12.417	24.763	38.872	53.334	8.818	6.818	1,070	1,568	-	-	-	-	-	-	-
## Legal Services	1,176.688	1,713.491	1,838.942	2,894.513	591.346	981.694	1,851.338	2,388.647	559.812	1,478.010	2,040.834	2,620.392	685.713	1,615.376	2,431.024	3,304.993	560.629	1,093.433.50	1,651.081.58
## Legal Staff Ins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Minority Women Bus Enter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Motor Services	715.747	754.539	910.908	879.344	303.497	465.245	739.190	864.422	301.572	517.235	690.981	788.812	359.680	521.428	683.175	844.923	287.411	449.158.52	556.999.16
## Payroll Services	55.825	59.103	54.004	72.899	16.690	33.522	54.004	70.633	21.745	73.148	93.030	125.460	32.725	69.462	95.977	123.422	38.969	73.489.78	104,502.36
## Miscellaneous Professional Services	1,421.634	1,609.538	1,427.969	5,707.167	633.128	1,957.919	4,300.614	6,063.922	760.474	2,043.525	4,240.404	6,143.089	1,152.093	2,589.637	4,631.914	5,844.559	895.009	1,565,097.07	2,161,005.39
## Trust Admin	126.077	506.312	75.940	71.235	27.690	38.485	30.411	30.411	36.490	36.490	53.265	77.385	12.290	12.290	79.085	79.885	3.850	4,685.00	20,185.00
## Water Liens	-	-	-	-	-	-	8,000	8,000	30,000	30,000	30,000	30,000	40,000	40,000	160,000	260,151	385,217	114.00	114.00
Total Professional Services	\$ 8,419.266	\$ 11,061.100	\$ 14,120.113	\$ 15,526.273	\$ 2,608.755	\$ 5,367.923	\$ 10,024.902	\$ 16,444.502	\$ 4,539.352	\$ 8,476.895	\$ 12,943.017	\$ 17,324.335	\$ 4,356.696	\$ 8,080.344	\$ 12,306.181	\$ 16,381.480	\$ 4,294.242	\$ 8,111.671	\$ 11,508.692
Supplies																			
## Computer Software Supplies	32.426	42.147	53.155	35.174	3.172	6.130	6.878	11.722	16.665	32.089	47.212	68.804	18.323	35.653	44.643	41.807	3.362	25,227.72	82,734.90
## Fuel-Gases	1.665	2.079	3.457	4.845	38.190	51.444	105.303	36.498	48.826	57.266	361.684	32.960	33.431	65.234	207.794	15.929	236,767.77	396,945.31	
## Fuel-Aerospace	-	-	-	-	-	261	261	628	628	628	628	1,212	644	644	644	644	504	503.58	503.58
## Fuel-Propane	4.144	68.705	226.871	174.824	16.695	17.001	18.496	18.670	143	254	437	1,066	327	776	1,615	1,843	261	762.92	978.08
## GIS Plotter Service	2.381	756	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Growth & Maint Suco	-	36.360	38.814	36.542	43.678	89.909	121.251	189.211	147.570	224.722	323.134	504.239	119.840	237.469	378.640	407.910	112.008	227,452.18	425,403.87
## ICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Lab Chemicals	26.500	25.371	60.981	4.219	675	5.297	9.561	546	2.960	2.673	2.673	1.147	1.147	1.147	1,900	2,009	1,087	1,087.39	1,185.73
## Lab Supplies	73.478	80.726	20.634	48.936	20.029	49.119	73.259	122.807	35.325	41.189	55.999	69.045	50.736	66.057	86.905	141,047	38,889	61,612.56	86,778.20
## Office Supplies	22.303	22.614	21.289	37.623	20.287	30.726	47.106	64.263	15.324	27.525	35.722	41,414	11,595	17,113	27,115	37,299	8,662	17,110.47	25,477.36
## Uniforms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
## Vending Supplies	4.611	7.282	7.646	17.885	1.254	3.211	13.934	19.397	7.420	10.109	13.359	20.209	793	2,362	5,648	7,340	3,205	7,682.09	13,914.56
Total Supplies	\$ 167,507	\$ 286,040	\$ 433,702	\$ 300,047	\$ 143,980	\$ 252,839	\$ 384,249	\$ 589,103	\$ 260,812	\$ 387,483	\$ 536,438	\$ 1,060,346	\$ 236,364	\$ 394,652	\$ 609,342	\$ 847,683	\$ 183,887	\$ 578,107	\$ 1,034,320

[illegible]

					FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	FY 2047	FY 2048	FY 2049	FY 2050	
Utility Allocation					FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	FY 2047	FY 2048	FY 2049	FY 2050	
W					W	WW	SW																									
Future Debt Service																																
Revolving Line of Credit																																
Estimated Annual Interest Payment					\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000		
Anticipated Bonds																																
Revenue Bonds																																
FY 2021 Short Term Loan					61%	19%	19%																									
Placeholder					100%																											
Placeholder					100%																											
Placeholder					100%																											
Placeholder					100%																											
Subtotal: Revenue Bonds					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Subordinate Debt																																
WIFIA Loan #1					100%																											
Principal						733,551	989,362	1,575,652	2,067,098	2,156,441	2,238,065	2,322,779	3,636,036	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	3,639,101	
Interest						1,680,720	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	2,144,741	
WIFIA Loan #2					100%																											
Principal						733,551	989,362	1,575,652	2,067,098	2,156,441	2,238,065	2,322,779	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	2,410,700	
Interest						743,005	1,651,123	3,300,045	4,673,751	4,894,216	5,091,942	5,297,697	8,020,184	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	
WIFIA Loan #3					100%																											
Principal						743,005	1,651,123	3,300,045	4,673,751	4,894,216	5,091,942	5,297,697	8,020,184	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	8,047,424	
Interest						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WIFIA Loan #4					100%																											
Principal						-	231,052	570,400	921,053	1,212,266	1,267,776	1,318,994	1,372,282	2,091,842	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	2,084,569	
Interest						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Placeholder					100%																											
Principal						231,052	570,400	921,053	1,212,266	1,267,776	1,318,994	1,372,282	1,427,722	1,415,293	1,388,522	1,360,680	1,331,724	1,301,611	1,270,292	1,237,721	1,203,847	1,168,618	1,131,980	1,099,877	1,064,249	1,033,054	992,991	970,175	925,599	879,240	831,027	
Placeholder					100%																											
Placeholder					100%																											
Placeholder					100%																											
Subtotal: Subordinate Debt						733,551	1,732,366	3,487,828	5,037,543	7,761,064	8,344,547	8,682,498	10,252,687	13,031,566	13,778,366	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	13,771,094	
Subtotal: Anticipated Bonds						3,733,551	4,732,366	6,457,828	8,937,543	10,761,064	11,344,547	11,682,498	13,252,687	16,031,566	16,778,366	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094	16,771,094
Forecasted Debt Service					Initial Amt.	Rate	Term	Cost	Premium	DSRF	Issue Amt																					
Revenue Bonds																																
FY 2023					55,500,000					-	55,500,000																					
Principal											3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	3,350,048	
Interest											775,126	775,126	813,882	869,576	987,305	942,170	989,278	1,038,742	1,050,680	1,148,214	1,202,578	1,325,726	1,392,014	1,461,615	1,534,686	1,611,430	1,692,002	1,776,022	1,862,452	1,949,704	2,036,639	2,123,474
FY 2024					150,000,000	0.00%	0	0.00%		-	150,000,000																					
Principal											9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	
Interest											2,094,934	2,094,934	2,199,661	2,309,665	2,425,148	2,546,405	2,673,726	2,807,412	2,947,783	3,095,172	3,249,930	3,412,427	3,584,048	3,762,200	3,950,310	4,147,826	4,352,978	4,572,978	4,801,627	5,041,708	5,290,784	5,558,484
FY 2025					150,000,000	0.00%	0	0.00%		-	150,000,000																					
Principal											9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	9,054,184	
Interest											2,094,934	2,094,934	2,199,661	2,309,665	2,425,148	2,546,405	2,673,726	2,807,412	2,947,783	3,095,172	3,249,930	3,412,427	3,584,048	3,762,200	3,950,310	4,147,826	4,352,978	4,572,978	4,801,627	5,041,708	5,290,784	5,558,484
FY 2026					200,000,000	0.00%	0	0.00%		-	200,000,000																					
Principal											12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245	12,072,245
Interest											2,789,245	2,789,245	2,922,908	3,079,553	3,253,531	3,445,707	3,654,968	3,882,745	4,127,226	4,382,745	4,649,930	4,929,488	5,219,930	5,521,930	5,835,930	6,159,930	6,494,930	6,839,930	7,194,930	7,559,930	7,934,930	8,319,930
FY 2027						0.00%	0	0.00%		-																						
Principal																																
Interest																																
FY 2028						0.00%	0	0.00%		-																						
Principal																																
Interest																																
FY 2029						0.00%	0	0.00%		-																						
Principal																																
Interest																																
Subtotal: Revenue Bonds											\$ 12,404,232	\$ 21,458,416	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530,661	\$ 33,530											



The Pittsburgh Water and Sewer Authority

2023 – 2027 Capital Improvement Plan

Approved on October 28, 2022



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Introduction

The Pittsburgh Water and Sewer Authority (“**the Authority**” or “**the PWSA**”) is a body corporate and politic organized and existing under the Act pursuant to Resolution No. 36 of the Council of the City of Pittsburgh (the “**City**”), duly enacted on February 6, 1984, approved by the Mayor on February 8, 1984, and effective February 16, 1984. The Secretary of the Commonwealth of Pennsylvania approved the Authority’s Articles of Incorporation and issued a Certificate of Incorporation on February 17, 1984. Articles of Amendment were approved and a Certificate of Amendment was issued by the Pennsylvania Department of State on December 11, 1989, to include, among authorized projects, low head dams and facilities for generating surplus electric power. Articles of Amendment were approved and a Certificate of Amendment was issued by the Pennsylvania Department of State on May 9, 2008, to extend the term of existence of the Authority to May 21, 2045. Articles of Amendment were approved and a Certificate of Amendment was issued by the Pennsylvania Department of State on March 19, 2020, to extend the term of existence of the Authority to March 13, 2070 and to include stormwater systems.

Under its Articles of Incorporation, the Authority is specifically authorized to acquire, hold, construct, finance, improve, maintain, operate, own and lease, either as lessor or lessee, projects of the following kinds and character: sewers, sewer systems or parts thereof, waterworks, water supply works, and water distribution systems, low head dams, facilities for generating surplus power, and stormwater systems.

The System provides water to approximately 75,000 customers or 84% of the total population in the geographic boundaries of the City. The Authority provides wastewater collection and transmission service to almost the entire City, estimated at 301,000 residents. The System does not include wastewater treatment facilities; such facilities are the responsibility of Allegheny County Sanitary Authority (“**ALCOSAN**”), a separate and distinct legal entity.

The Authority operates and maintains a 117 million gallon per day (MGD) rapid sand type water treatment plant, a 21 MGD microfiltration plant, approximately 964 miles of water mains, over 32,000 valves and fire hydrants, 1 raw water pump station, 10 finished water pump stations, 4 in-ground reservoirs, 10 storage tanks, approximately 1,220 miles of sanitary, storm and combined sewers, 29,500 manholes, 25,000 catch basins and inlets, 98 combined sewer overflow outfalls, 195 storm outfalls, and 4 wastewater pump stations.

Pennsylvania Public Utility Commission Oversight of the Authority

On December 21, 2017, the Pennsylvania legislature enacted Act 65 of 2017 (“**Act 65**”), placing the Authority under the jurisdiction of the Pennsylvania Public Utility Commission (“**PUC**”) pursuant to the Pennsylvania Public Utility Code (the “**Public Utility Code**”). Act 65 applies most of the provisions of the Public Utility Code to the Authority in the same manner as a “public utility,” resulting in regulation of the Authority’s rate making, its operating effectiveness, debt issuances and other aspects of conducting its business similar to the way the PUC regulates investor-owned utilities. Act 65 includes provisions that allow the Authority to impose, charge or collect rates or charges as necessary to permit the Authority to comply with its covenants with the holders of any bonds or other financial obligations of the Authority, and prohibits the PUC from requiring the Authority to take any action that would cause the interest on the Authority’s financial obligations to be includible in gross income of the holders of such obligations for federal income tax purposes.

Capital Improvement Program

Overview

The PWSA's Capital Improvement Program (CIP) focuses on sustaining cost-effective operations, while optimizing the system's asset performance and life expectancy. The 2023-2027 Capital Improvement Program invests in programs which consider risk and consequence of asset failure and levels of service benefits.

Development and Approval Process

The PWSA’s CIP process begins each year in May when project nominations are solicited from the entire organization. At the completion of the nomination period, the CIP Review Committee screens, evaluates and prioritizes the nominated projects to determine the projects that should be included in the CIP. Further planning efforts consist of the preparation of a project sheet, which provides more detailed information on a project’s potential scope options, risks, schedule, and the

cost estimate. This process lasts several months and culminates with the presentation of the updated CIP to PWSA's Board of Directors. Projects that are not selected for execution at any stage will be re-assessed during the next year's CIP development process.

Capital Project Prioritization

Due to funding limitations and the need to renew/replacing a significant amount of aging infrastructure, the following criteria are used to evaluate and prioritize capital projects:

- Regulatory Compliance
- Safety
- Operating Efficiency
- Quality of Service
- Organizational Goals
- Social Impact

Funding Sources

The PWSA Capital Improvement Program is funded through several primary sources to which specific programs and projects are allocated. These funding sources include, but are not limited to, Debt (Revenue Bonds), Distribution System Improvement Charge ("DSIC"), Water Infrastructure Finance and Innovation Act ("WIFIA"), Pennsylvania Infrastructure Investment Authority ("PENNVEST"), American Rescue Plan Act ("ARPA") and cost shares with other entities.

Capital Improvement Plan Organization

The CIP is organized into six project classes (types):

- Water Treatment Plant
- Water Pumping and Storage
- Water Distribution
- Wastewater System
- Stormwater
- Miscellaneous

Each project class is then made up of individual projects. Projects are defined based upon current information, which range from annual allowances for asset renewal and/or replacement activities, to major, multiple phase facility renewal projects.

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Project Information

The following information is provided for each project:

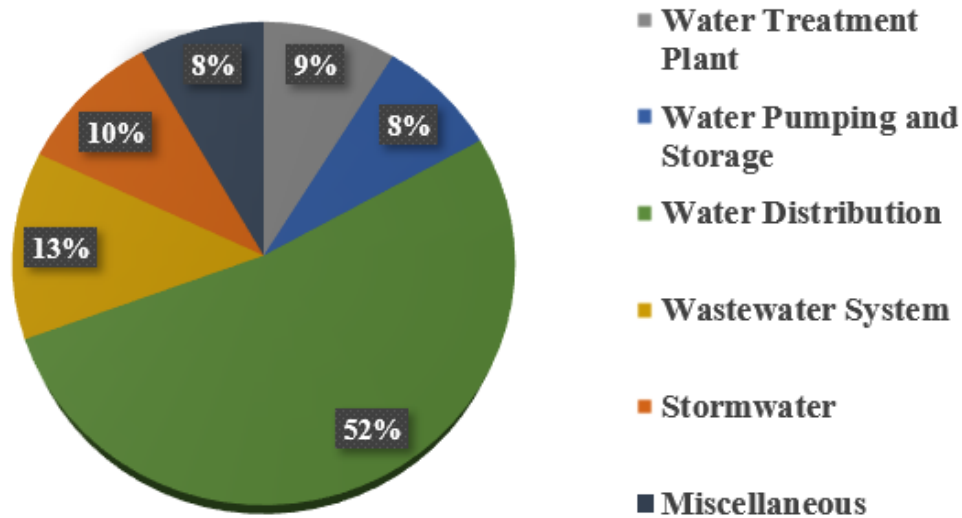
- **Cash Flow Summary** – Estimated five-year cash flow for the project.
- **DSIC Eligibility** – Determination of whether costs qualify under the Distribution System Improvement Charge.
- **Funding Source(s)** – Proposed funding source(s) for the project.
- **Impact on Operations** – Describes the anticipated impact to the PWSA's operations when the project is completed.
- **Phase** – Phase in the project life-cycle (i.e. assessment/design/construction).
- **Priority** – Criteria utilized to prioritize the project.
- **Project Class** – Type of project.
- **Project Description** - A basic understanding of the project's intent and scope of work.
- **Project Justification** - A detailed explanation to why the project is needed.
- **Project Name** – Descriptive name assigned to the project.
- **Project Number** – Unique number(s) assigned to track the project from inception to completion. This number is established once a project is approved.
- **Risk(s)** - Outlines the risk(s) to the PWSA if the project is delayed or is not selected.

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Historical and Forecasted Capital Expenditures

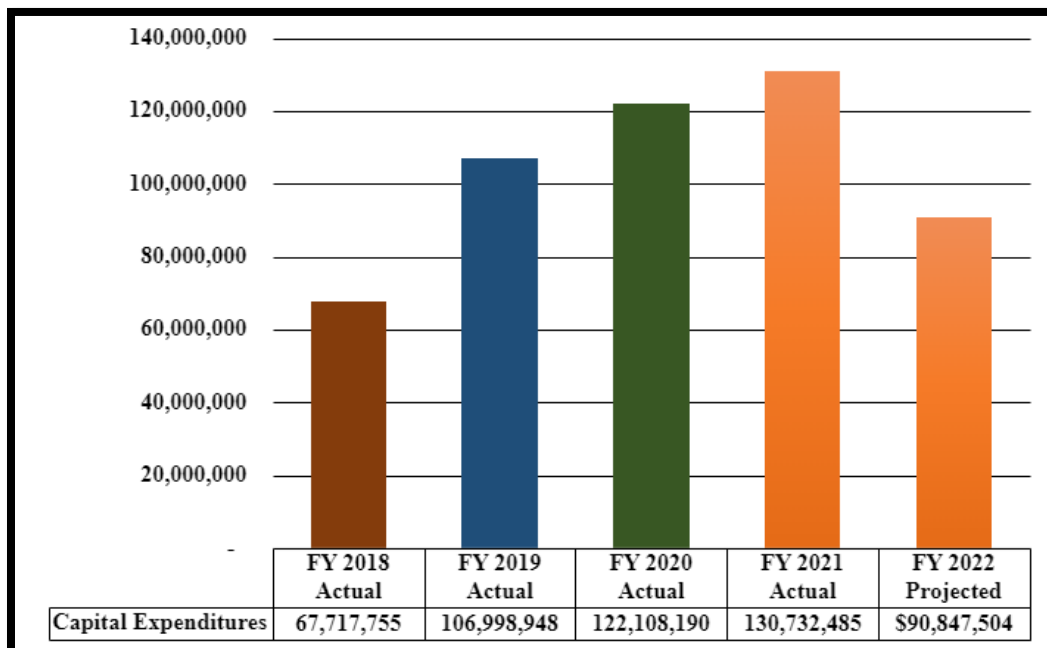
The figures below illustrate the historical capital expenditures by project class for FY 2018 – FY 2021 as well as the historical and forecasted capital expenditures for FY 2018 – FY 2021.

Figure 1. Historical Capital Expenditures by Project Class: FY 2018 – FY 2021



	FY 2018 - Actual	FY 2019 - Actual	FY 2020 - Actual	FY 2021 - Actual	Total
Water Treatment Plant	7,275,878	15,665,185	8,959,256	5,946,283	\$ 37,846,602
Water Pumping and Storage	11,732,850	9,667,165	7,304,722	5,941,184	34,645,921
Water Distribution	27,185,518	55,588,889	64,838,953	76,722,470	224,335,829
Wastewater System	9,225,987	15,152,656	8,767,047	20,632,500	53,778,189
Stormwater	3,156,175	6,901,255	15,791,622	15,614,923	41,463,976
Miscellaneous	9,141,347	4,023,798	16,446,590	5,875,126	35,486,861
Total	\$ 67,717,755	106,998,948	122,108,190	130,732,485	\$ 427,557,378

Figure 2. Historical and Forecasted Capital Expenditures: FY 2018 – FY 2022



2023-2027 Capital Improvement Program

The figures below illustrate the proposed breakdown of the project classes, funding sources, and yearly cash flows for the 2023 to 2027 CIP.

Figure 3. Proposed Yearly Capital Cash Flow by Project Class

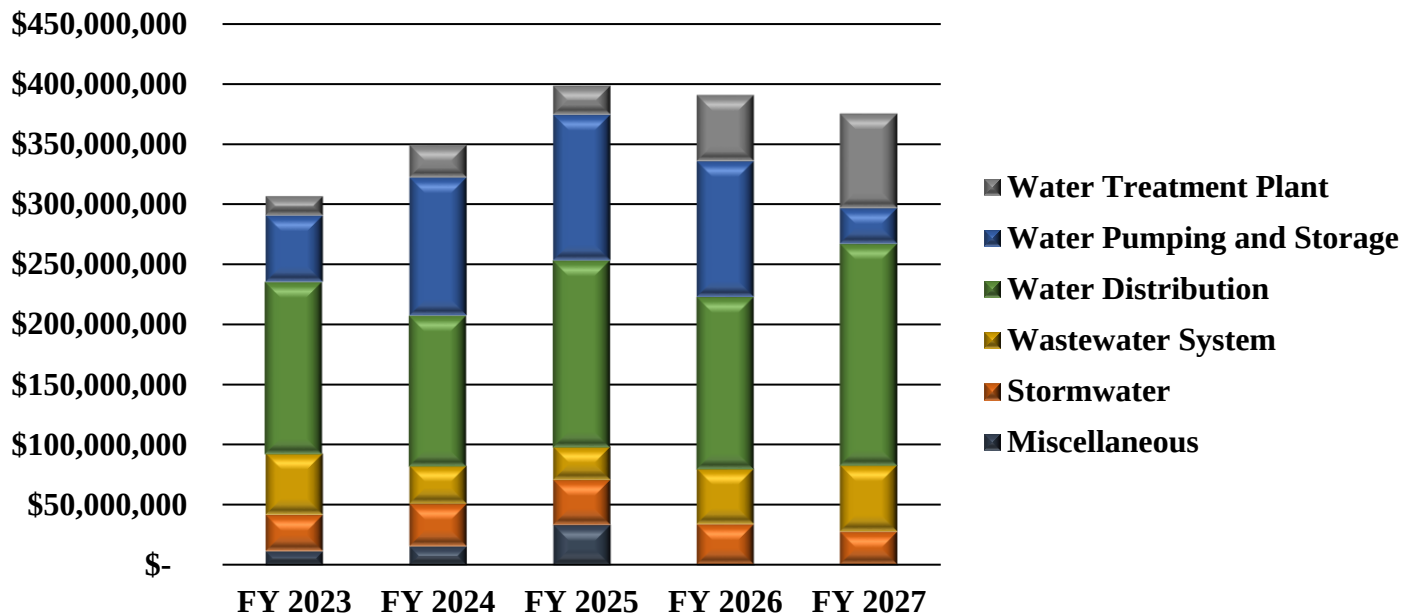


Figure 4. Capital Requirements

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Water Treatment Plant	\$ 16,030,211	26,885,665	24,038,988	54,790,691	78,451,718	\$ 200,197,272
Water Pumping and Storage	55,304,597	115,127,475	121,491,637	113,245,473	30,009,851	435,179,033
Water Distribution	143,302,527	125,439,446	155,468,790	143,283,004	184,525,120	752,018,887
Wastewater System	50,634,240	31,442,487	27,579,779	45,751,309	54,918,077	210,325,892
Stormwater	29,822,932	34,827,423	36,884,821	33,038,424	26,808,750	161,382,350
Miscellaneous	11,439,316	15,500,000	33,000,000	500,000	500,000	60,939,316
Total Capital Requirements	\$ 306,533,823	349,222,497	398,464,014	390,608,900	375,213,516	\$ 1,820,042,750

Figure 5. Funding Sources

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Debt (Revenue Bonds)	\$ 122,335,310	150,214,517	203,743,270	236,469,077	316,179,204	\$ 1,028,941,377
PENNVEST	127,409,339	97,299,382	86,216,706	47,511,528	10,020,526	368,457,481
WIFIA/PENNVEST	35,113,456	89,843,438	98,036,402	98,113,624	40,456,543	361,563,462
DSIC - Water	6,028,526	6,058,669	6,088,962	6,119,407	6,150,004	30,445,568
DSIC - Wastewater	2,359,691	2,371,490	2,383,347	2,395,264	2,407,240	11,917,032
ARPA	10,582,757	-	-	-	-	10,582,757
WIFIA	2,540,345	3,310,501	1,995,327	-	-	7,846,173
Cash (Rates)	164,400	124,500	-	-	-	288,900
Total Funding Sources	\$ 306,533,823	349,222,497	398,464,014	390,608,900	375,213,516	\$ 1,820,042,750



2023-2027 Project Summary



Page	Project Name	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Project Class: Water Treatment Plant							
11	Algae Control for Open Basins	\$360,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$360,000.00
12	Aspinwall Water Treatment Plant Electrical and Backup Power Improvements	\$0.00	\$866,981.00	\$1,087,515.00	\$7,794,745.00	\$14,874,582.00	\$24,623,823.00
13	Aspinwall Water Treatment Plant Filter Improvements	\$123,706.90	\$164,942.53	\$246,599.62	\$1,208,045.99	\$1,006,704.99	\$2,750,000.02
14	Aspinwall Water Treatment Plant Filter Building Sodium Hypochlorite Improvements	\$3,222,924.72	\$0.00	\$0.00	\$0.00	\$0.00	\$3,222,924.72
15	Aspinwall Water Treatment Plant Raw Water Intakes - East Intake	\$0.00	\$465,000.00	\$1,116,000.00	\$756,000.00	\$36,000.00	\$2,373,000.00
16	Aspinwall Water Treatment Plant Raw Water Intakes - West Intake	\$469,736.84	\$1,127,368.42	\$767,368.42	\$5,747,368.42	\$8,597,368.42	\$16,709,210.53
17	Chemical Feed Modernization Project/Rapid Mix and Clarifier Improvements	\$1,252,063.75	\$2,789,028.23	\$2,936,058.88	\$16,350,331.00	\$19,072,483.58	\$42,399,965.45
18	Clearwell Emergency Response Project	\$2,741,630.73	\$7,408,660.00	\$7,408,660.00	\$7,408,660.00	\$1,234,457.00	\$26,202,067.73
19	Clearwell Improvements	\$4,293,312.12	\$2,448,008.62	\$107,717.51	\$107,717.51	\$16,708,182.43	\$23,664,938.19
20	Corrosion Control Chemical Storage & Feed Systems	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00
21	Highland Park Membrane Filtration Plant Assessment and Critical Process Improvements	\$150,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$150,000.00
22	Highland Park Microfiltration Plant Improvements Project	\$14,128.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14,128.00
23	Hydraulic Valve Replacement Program	\$89,942.53	\$302,298.85	\$2,144,252.89	\$713,505.75	\$0.00	\$3,250,000.02
24	Lime Slurry System Improvements	\$756,079.00	\$3,548,360.00	\$1,182,787.00	\$0.00	\$0.00	\$5,487,226.00
25	Overhead Crane Modernization	\$0.00	\$375,000.00	\$440,000.00	\$0.00	\$0.00	\$815,000.00
26	Phase 1 Sedimentation Basin Rehabilitation and Water Treatment Plant Gate Valve and 84-inch Coupling Project	\$224,921.63	\$299,895.51	\$448,362.94	\$2,196,447.25	\$1,830,372.70	\$5,000,000.03
27	Phase 2 Sedimentation Basin Rehabilitation Project	\$0.00	\$0.00	\$0.00	\$562,304.08	\$749,738.77	\$1,312,042.85
28	Post-Filter Chemical System Improvements	\$0.00	\$0.00	\$0.00	\$607,288.41	\$809,717.87	\$1,417,006.28
29	Powdered Activated Carbon System Improvements	\$40,588.77	\$0.00	\$0.00	\$0.00	\$0.00	\$40,588.77
30	Ross Pump Station	\$0.00	\$1,249,655.17	\$2,499,310.34	\$1,299,310.34	\$13,232,110.34	\$18,280,386.21
31	Sludge Chamber Pump Project	\$386,721.63	\$869,343.78	\$0.00	\$0.00	\$0.00	\$1,256,065.41
32	Water Treatment Plant Filter Backwash System Improvements	\$740,054.00	\$883,290.00	\$2,996,022.00	\$8,880,634.00	\$0.00	\$13,500,000.00
33	Water Treatment Plant Filter Building Roof	\$0.00	\$3,500,000.00	\$0.00	\$0.00	\$0.00	\$3,500,000.00
34	Water Treatment Plant HVAC Improvements	\$0.00	\$163,333.00	\$358,333.00	\$858,333.00	\$0.00	\$1,379,999.00
35	Water Treatment Plant NPDES Permit Autosamplers and Flow Meters	\$164,400.00	\$124,500.00	\$0.00	\$0.00	\$0.00	\$288,900.00
36	Water Treatment Plant Rail Siding Improvements	\$800,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$2,000,000.00
37	WTP Sodium Hypochlorite Tank Emergency Replacement	\$150,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$150,000.00
38	Water Treatment Plant Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Water Treatment Plant		\$16,030,210.63	\$26,885,665.11	\$24,038,987.61	\$54,790,690.74	\$78,451,718.12	\$200,197,272.21
Project Class: Water Pumping and Storage							
40	Aspinwall Pump Station Improvements	\$4,748,965.78	\$15,197,171.56	\$15,197,171.56	\$15,227,973.56	\$2,548,262.93	\$52,919,545.37
41	Aspinwall Pump Station to Lanpher Reservoir Rising Main	\$2,147,166.98	\$29,622,031.14	\$44,331,726.56	\$44,331,726.56	\$14,777,242.19	\$135,209,893.42
42	Aspinwall WTP Chemical Unloading Area Improvements, Underground Storage Tank Removal & Replacement	\$1,352,161.22	\$0.00	\$0.00	\$0.00	\$0.00	\$1,352,161.22
43	Bruecken Pump Station Concealed Gutters	\$0.00	\$175,000.00	\$0.00	\$0.00	\$0.00	\$175,000.00
44	Bruecken Pump Station Improvements	\$8,653,054.00	\$30,991,126.00	\$30,991,126.00	\$31,037,546.00	\$5,188,398.00	\$106,861,250.00
45	Chlorine Booster Station Improvements	\$311,268.79	\$6,436,147.83	\$7,007,549.12	\$583,962.43	\$0.00	\$14,338,928.16
46	Disinfection By-Products Mitigation	\$5,183,170.61	\$1,426,705.77	\$0.00	\$0.00	\$0.00	\$6,609,876.38
47	Garfield Tank Improvements	\$0.00	\$122,198.00	\$244,397.00	\$314,224.00	\$2,246,121.00	\$2,926,940.00
48	Herron Hill Pump Station Improvements	\$409,195.41	\$818,390.81	\$496,551.73	\$12,275,862.15	\$0.00	\$14,000,000.09
49	Herron Hill Reservoir Improvements	\$198,631.00	\$0.00	\$0.00	\$0.00	\$0.00	\$198,631.00
50	Herron Hill Reservoir Improvements - Sodium Hypochlorite Building	\$828,429.11	\$0.00	\$0.00	\$0.00	\$0.00	\$828,429.11
51	Herron Hill Tank Pump Station Improvements	\$0.00	\$164,077.30	\$195,528.61	\$1,320,197.05	\$1,320,197.05	\$3,000,000.02
52	Highland 1 Reservoir Liner	\$0.00	\$0.00	\$0.00	\$704,981.00	\$0.00	\$704,981.00
53	Highland No. 2 Reservoir Liner and Cover Replacements	\$2,122,235.00	\$6,515,354.50	\$4,072,096.57	\$0.00	\$0.00	\$12,709,686.07
54	Highland Reservoir Pump Station and Rising Main	\$23,789,287.16	\$14,537,145.09	\$8,983,409.85	\$0.00	\$0.00	\$47,309,842.10
55	Howard Pump Station Improvements	\$0.00	\$0.00	\$577,266.93	\$1,154,533.85	\$694,763.73	\$2,426,564.51
56	Inline Pump Station (Coral and Pacific) Improvements	\$0.00	\$32,979.66	\$39,434.13	\$264,367.82	\$263,218.39	\$600,000.00

Project Class: Water Pumping and Storage Cont.							
57	Lanpher Reservoir Improvements	\$2,778,963.09	\$6,370,326.38	\$3,716,023.72	\$0.00	\$0.00	\$12,865,313.19
58	Lincoln Pump Station Improvements	\$288,633.46	\$288,633.46	\$1,258,748.41	\$2,109,323.13	\$1,054,661.57	\$5,000,000.03
59	Lincoln Pump Station: Bypass Pump Station Project	\$2,155,907.00	\$2,164,264.00	\$0.00	\$0.00	\$0.00	\$4,320,171.00
60	Lincoln Tank Improvements	\$337,528.74	\$203,588.76	\$3,680,670.52	\$0.00	\$0.00	\$4,221,788.02
61	Mission Pump Station Improvements	\$0.00	\$0.00	\$577,267.00	\$1,154,534.00	\$694,764.00	\$2,426,565.00
62	Pump Station Architectural	\$0.00	\$0.00	\$0.00	\$2,500,000.00	\$0.00	\$2,500,000.00
63	Saline Pump Station Improvements	\$0.00	\$0.00	\$0.00	\$192,422.00	\$288,633.00	\$481,055.00
64	Spring Hill Tank Improvements	\$0.00	\$62,335.00	\$122,669.00	\$73,819.00	\$933,589.00	\$1,192,412.00
65	Water Pumping and Storage Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Water Pumping and Storage		\$55,304,597.34	\$115,127,475.27	\$121,491,636.70	\$113,245,472.55	\$30,009,850.86	\$435,179,032.71
Project Class: Water Distribution							
67	2019 Large Diameter Water Main Improvements - Rising Main 3/4	\$3,062,142.13	\$240,769.90	\$0.00	\$0.00	\$0.00	\$3,302,912.04
68	2019 Large Diameter Water Main Improvements - Rising Main 4	\$12,529,326.00	\$4,176,441.00	\$0.00	\$0.00	\$0.00	\$16,705,767.00
69	Bus Rapid Transit Water Distribution	\$1,500,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,500,000.00
70	District Metering Program	\$0.00	\$0.00	\$2,600,000.02	\$3,380,000.02	\$3,380,000.02	\$9,360,000.06
71	Hazelwood Backup Feed (formerly Duck Hollow Main Replacement)	\$175,156.10	\$175,156.10	\$1,115,470.61	\$1,534,487.21	\$0.00	\$3,000,270.02
72	Herron Hill - Squirrel Hill Boundary Adjustments	\$0.00	\$0.00	\$52,928.57	\$355,186.81	\$635,884.62	\$1,044,000.00
73	Interconnection Vault Stormwater Removal	\$453,007.96	\$1,225,931.03	\$611,310.34	\$0.00	\$0.00	\$2,290,249.34
74	Intermediate Diameter Water Main Replacement Program	\$0.00	\$0.00	\$2,603,833.08	\$4,488,230.43	\$42,775,187.01	\$49,867,250.52
75	Intermediate Meter Replacement Program	\$143,076.92	\$84,307.69	\$86,538.46	\$87,000.00	\$87,000.00	\$487,923.08
76	Large Diameter Water Main Replacement Program	\$2,980,665.80	\$4,820,095.96	\$23,316,701.96	\$38,087,876.89	\$33,256,579.29	\$102,461,919.89
77	Large Meter Replacement Program	\$1,557,508.32	\$1,341,456.69	\$567,307.69	\$337,000.00	\$337,000.00	\$4,140,272.71
78	Low Pressure Area Remediation	\$0.00	\$0.00	\$23,277.57	\$279,330.90	\$1,393,833.02	\$1,696,441.49
79	Neighborhood Lead Service Line Replacement Program	\$13,582,757.48	\$27,792,500.00	\$55,585,000.00	\$27,792,500.00	\$0.00	\$124,752,757.48
80	North Side Boundary Adjustments	\$0.00	\$0.00	\$79,392.86	\$532,780.22	\$953,826.92	\$1,566,000.00
81	Priority LSLR	\$3,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,000,000.00
82	Private Lead Service Line Reimbursement	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$400,000.00
83	Regulator Valve and Vault Replacement Program	\$378,494.08	\$1,839,360.70	\$3,446,738.96	\$4,173,179.80	\$3,439,080.48	\$13,276,854.01
84	Small Diameter Water Main Replacement Program	\$83,515,128.68	\$75,057,893.92	\$57,763,375.00	\$53,807,131.41	\$89,408,775.74	\$359,552,304.75
85	Small Meter Replacement Program	\$1,723,171.54	\$1,351,089.38	\$480,769.23	\$250,000.00	\$291,667.00	\$4,096,697.15
86	South Side Slopes Boundary Adjustments	\$0.00	\$0.00	\$79,392.86	\$532,780.22	\$953,826.92	\$1,566,000.00
87	Unmetered and Flat Rate Properties	\$327,250.00	\$635,250.00	\$0.00	\$0.00	\$0.00	\$962,500.00
88	Urgent Lead Service Line Replacement	\$1,778,653.60	\$1,749,194.10	\$1,670,085.73	\$1,590,751.08	\$1,246,677.20	\$8,035,361.70
89	Valve Replacement Program	\$2,505,485.32	\$2,800,000.00	\$2,674,358.97	\$2,800,000.00	\$2,925,641.03	\$13,705,485.32
90	Water and Wastewater Safety and Security Improvements	\$1,567,547.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,567,547.00
91	Water and Wastewater Safety and Security Improvements (Pennvest)	\$9,978,156.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,978,156.00
92	Water Relay Program	\$2,145,000.00	\$2,150,000.00	\$2,712,307.69	\$3,254,769.23	\$3,440,140.58	\$13,702,217.50
93	Water Distribution Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Water Distribution		\$143,302,526.93	\$125,439,446.48	\$155,468,789.61	\$143,283,004.22	\$184,525,119.82	\$752,018,887.06
Project Class: Wastewater System							
95	31st Ward Pump Station and Appurtenances - Phase 2	\$958,333.00	\$726,666.67	\$613,666.67	\$7,447,000.00	\$7,447,000.00	\$17,192,666.33
96	6122 and 6150 Mifflin Road Demolition	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00
97	Browns Hill Road Sewer Pump Station Replacement	\$432,000.00	\$1,608,000.00	\$1,880,000.00	\$0.00	\$0.00	\$3,920,000.00
98	Large Diameter Sewer Rehabilitation Program	\$12,774,486.37	\$2,997,238.10	\$4,266,000.00	\$4,897,000.00	\$4,957,000.00	\$29,891,724.46
99	M-29 Outfall Improvements	\$250,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$250,000.00
100	Maytide Storm and Sanitary Sewer System Improvements	\$118,026.95	\$4,026,497.00	\$1,957,785.00	\$0.00	\$0.00	\$6,102,308.95
101	Queenston Sewer Improvements	\$2,210,550.00	\$243,203.00	\$0.00	\$0.00	\$0.00	\$2,453,753.00
102	Sewer Reconstruction Program	\$2,691,769.00	\$1,810,000.00	\$1,810,000.00	\$1,886,458.21	\$2,701,329.79	\$10,899,557.00
103	Sewers Under Structures Program	\$6,786,029.94	\$2,373,663.24	\$2,422,730.16	\$3,530,382.94	\$3,386,507.35	\$18,499,313.62
104	Small Diameter Sewer Rehabilitation Program	\$24,363,045.00	\$17,657,219.00	\$14,629,597.00	\$27,990,467.53	\$36,426,240.26	\$121,066,568.79
105	Wastewater Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Wastewater System		\$50,634,240.26	\$31,442,487.00	\$27,579,778.83	\$45,751,308.67	\$54,918,077.41	\$210,325,892.16

Project Class: Stormwater							
107	Braywood Stormwater Improvements	\$434,625.00	\$439,375.00	\$0.00	\$0.00	\$0.00	\$874,000.00
108	Bus Rapid Transit Phase 2	\$0.00	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$1,500,000.00
109	Bus Rapid Transit Stormwater Infrastructure Improvements	\$71,382.00	\$785,634.29	\$703,637.86	\$0.00	\$0.00	\$1,560,654.15
110	Catch Basin and Inlet Replacement Program	\$11,539,876.64	\$16,007,303.03	\$14,436,109.17	\$14,867,220.83	\$15,308,750.00	\$72,159,259.67
111	Dragoon Way Stormwater Improvements	\$983,000.00	\$95,625.00	\$0.00	\$0.00	\$0.00	\$1,078,625.00
112	Fleury Way Stormwater Infrastructure Improvements	\$476,212.00	\$0.00	\$0.00	\$0.00	\$0.00	\$476,212.00
113	Four Mile Run Stormwater Infrastructure Improvements	\$645,557.00	\$4,500,108.00	\$8,723,924.00	\$6,171,203.00	\$0.00	\$20,040,792.00
114	Haverhill Street Improvements Project	\$1,003,900.00	\$104,500.00	\$0.00	\$0.00	\$0.00	\$1,108,400.00
115	Lawn and Ophelia	\$203,741.00	\$0.00	\$0.00	\$0.00	\$0.00	\$203,741.00
116	Martin Luther King Field Stormwater Infrastructure Improvements	\$3,096,867.00	\$1,324,108.00	\$0.00	\$0.00	\$0.00	\$4,420,975.00
117	Maryland Avenue Stormwater Infrastructure Improvements	\$6,925.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,925.00
118	MS4 Permit PRP Plan Sediment Reduction Project	\$173,000.00	\$605,000.00	\$307,500.00	\$0.00	\$0.00	\$1,085,500.00
119	Saw Mill Run Municipal Separate Storm Sewer System Compliance	\$0.00	\$0.00	\$500,000.00	\$1,500,000.00	\$1,500,000.00	\$3,500,000.00
120	Saw Mill Run Watershed Improvements	\$850,000.00	\$150,000.00	\$0.00	\$0.00	\$0.00	\$1,000,000.00
121	Southside Flats Sewer Separation	\$3,327,529.00	\$2,232,587.00	\$0.00	\$0.00	\$0.00	\$5,560,116.00
122	Southside Stormwater Infrastructure Improvements	\$2,029,140.00	\$2,703,667.00	\$0.00	\$0.00	\$0.00	\$4,732,807.00
123	Stewart Avenue Stormwater Infrastructure Project	\$1,400,000.00	\$1,515,389.00	\$894,444.00	\$0.00	\$0.00	\$3,809,833.00
124	Thomas and McPherson Stormwater Infrastructure Improvements	\$854,905.13	\$0.00	\$0.00	\$0.00	\$0.00	\$854,905.13
125	Volunteer's Field Stormwater Infrastructure Improvements	\$413,125.42	\$0.00	\$0.00	\$0.00	\$0.00	\$413,125.42
126	Wet Weather Program Projects	\$500,000.00	\$2,500,000.00	\$10,000,000.00	\$10,000,000.00	\$10,000,000.00	\$33,000,000.00
127	Wightman Park Phase 2 Project	\$182,166.00	\$0.00	\$0.00	\$0.00	\$0.00	\$182,166.00
128	Woodland Road Stormwater Infrastructure Improvements	\$245,256.31	\$0.00	\$0.00	\$0.00	\$0.00	\$245,256.31
129	Woods Run Stream Removal Stormwater Infrastructure Improvements	\$1,385,724.66	\$1,364,127.00	\$819,206.00	\$0.00	\$0.00	\$3,569,057.66
130	Stormwater Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Stormwater		\$29,822,932.16	\$34,827,423.32	\$36,884,821.02	\$33,038,423.83	\$26,808,750.00	\$161,382,350.34
Project Class: Miscellaneous							
132	2023 Capital Project Reclassification	\$8,639,316.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,639,316.00
133	New Headquarters and Operations Facility	\$2,500,000.00	\$15,000,000.00	\$32,500,000.00	\$0.00	\$0.00	\$50,000,000.00
134	Utility Cost Shares	\$300,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$2,300,000.00
135	Miscellaneous Contingency	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total: Miscellaneous		\$11,439,316.00	\$15,500,000.00	\$33,000,000.00	\$500,000.00	\$500,000.00	\$60,939,316.00



Water Treatment Plant



Water Treatment Plant

Algae Control for Open Basins

PROJECT NUMBER: 2023-100-100-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Installation of up to 5 ultrasonic buoys in the Sedimentation Basin and Highland 1 Reservoir (open basins) to provide non-chemical control of algae growth in these waters exposed to sunlight. Installation includes solar powered buoy, anchor system, associated instrumentation, and remote monitoring service.

PROJECT JUSTIFICATION:

Open reservoirs subject to sunlight allow for the growth of algae starting in early spring through late fall. Algae can impact water production operations by increasing total organic carbon in the water and physically fouling downstream filters.

RISK(S):

Buoys require maintenance including removal in the winter to avoid ice damage. Instruments require infrequent maintenance.

IMPACT ON OPERATIONS:

Reduced chemical usage at Highland 1 for treating reservoir and reduced filter backwashed water requirements at Aspinwall Pump Station.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$360,000	\$0	\$0	\$0	\$0	\$360,000	

Water Treatment Plant

Aspinwall Water Treatment Plant Electrical and Backup Power Improvements

PROJECT NUMBER: 2017-322-100-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Improvements to electrical systems at the Water Treatment Plant, including provisions for stand-by or backup power systems, upgrades to existing electrical distribution system, replacement of motor control centers, and associated panels, conduit, wiring, and systems.

PROJECT JUSTIFICATION:

Electrical systems at the Water Treatment Plant have generally met the end of their useful lives and spare/replacement parts are unavailable.

RISK(S):

Electrical power is critical to maintain pumping and treatment of water. Failure of these systems will result in the inability to produce water to meet demand and/or quality requirements.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$866,981	\$1,087,515	\$7,794,745	\$14,874,582	\$24,623,823	

Water Treatment Plant

Aspinwall Water Treatment Plant Filter Improvements

PROJECT NUMBER: 2023-100-101-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Improvements for filters at the Water Treatment Plant to address various recommendations from regulatory agencies including safety issues, improve process control, and monitoring. Project components including providing hand railing around filter basins to facilitate operator inspections, adding components to allow safer performance of required quarterly monitoring and cell entry, moving IFE turbidimeters to locate them within 10 feet of sample points, addressing structural issues, and other electrical and safety updates.

PROJECT JUSTIFICATION:

To meet industry standards and regulatory recommendations, turbidimeters should be located not more than 10 feet away from the sample taps. Currently, meters are located up to 30 feet away, reducing meter response time and data accuracy. Structural deficiencies in the floor and beams of the filter building have been observed as evidenced by cracks and water leakage.

RISK(S):

Violations of permit conditions as a result of turbidimeter locations and sample travel time. Safety and compliance issues with not accessing filter cells for observation during backwash and quarterly/annual inspections. Not properly assessing and repairing areas of structural deficiencies could lead to catastrophic failure. Foundation sagging in the filter building could result in excessive leakage or inability to produce filtered water.

IMPACT ON OPERATIONS:

Relocation of turbidimeters will shorten tubing distance between meter and sample point. Tubing is an annual replacement item, so less distance results in less time and material for replacement. Repair of structure deficiencies will result in less water leakage and maintain the integrity of the facility to reduce operational repairs and water in storage areas.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$123,707	\$164,943	\$246,600	\$1,208,045	\$1,006,705	\$2,750,000	

Water Treatment Plant

Aspinwall Water Treatment Plant Filter Building Sodium Hypochlorite Improvements

PROJECT NUMBER: 2017-322-101-8 / 9 / 10 / 11

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

General and mechanical work will include demolition, new filling station, new storage and pumping room, furnishing and installing new storage tanks, feed pumps and piping. HVAC work will include furnishing and installing new HVAC system including air handling unit, condensing unit, exhaust system and ductwork. Plumbing work will include new water service lines inside building, furnishing and installing eyewash stations, hot water units, sanitary drain modifications and installation of a wet sprinkler fire suppression system and fire alarm system. Electrical work will include furnishing and installing power wiring and conduit to new equipment, control wiring to instrumentation and program system integration services to operate the new treatment process.

PROJECT JUSTIFICATION:

To increase storage of sodium hypochlorite solution as required by PADEP and enhance the operational safety and efficiency of the system.

RISK(S):

Not meeting requirements of PADEP if project not completed.

IMPACT ON OPERATIONS:

Operating budget will likely decrease due to efficiencies.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$3,222,925	\$0	\$0	\$0	\$0	\$3,222,925	

Water Treatment Plant

Aspinwall Water Treatment Plant Raw Water Intakes - West Intake

PROJECT NUMBER: 2018-322-100-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory, Quality of Service

PROJECT DESCRIPTION:

Project will include condition assessment, renewing or replacing the existing West and East Raw Water Intake Gate House buildings and associated systems, including gates, screens, and associated mechanical equipment as well as the addition of SCADA. Influent piping through the Ross Pump Station will also be addressed.

PROJECT JUSTIFICATION:

The West Gate is 90% closed and inoperable. Both gate houses are in need of rehabilitation or replacement. The West Gatehouse is 100 years old, and the East Gate is almost 90 years old.

RISK(S):

Both gates have reach the end of their useful life and need replaced. Failure of the East Gate would cause a disruption to the supply of water.

IMPACT ON OPERATIONS:

Modernization of systems will require less time spent in operations and maintenance of these facilities.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$469,737	\$1,127,368	\$767,368	\$5,747,368	\$8,597,368	\$16,709,209	

Water Treatment Plant

Aspinwall Water Treatment Plant Raw Water Intakes - East Intake

PROJECT NUMBER: 2023-100-102-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory, Quality of Service

PROJECT DESCRIPTION:

Project will include condition assessment, renewing or replacing the existing West and East Raw Water Intake Gate House buildings and associated systems, including gates, screens, and associated mechanical equipment as well as the addition of SCADA. Influent piping through the Ross Pump Station will also be addressed.

PROJECT JUSTIFICATION:

The West Gate is 90% closed and inoperable. Both gate houses are in need of rehabilitation or replacement. The West Gatehouse is 100 years old, and the East Gate is almost 90 years old.

RISK(S):

Only one gate is operational. Failure of the East Gate would result in a major disruption to the supply of water for the City of Pittsburgh.

IMPACT ON OPERATIONS:

Modernization of systems will require less time spent in operations and maintenance of these facilities.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$465,000	\$1,116,000	\$756,000	\$36,000	\$2,373,000	

Water Treatment Plant

Chemical Feed Modernization Project/Rapid Mix and Clarifier Improvements

PROJECT NUMBER: 2023-100-103-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Upgrade of chemical feed systems (equipment, storage, instrumentation, and injection points) to meet current regulatory requirements, improve chemical application, and optimize the water treatment process. Upgrades include ferric chloride, potassium permanganate, and other chemical systems located in the chemical building and possible construction of a new chemical building or repurposing of existing facilities. Assess, design, and construct repairs to structural defects associated with settlement with the pipe bridge between the Chemical Building and Screen Room.

PROJECT JUSTIFICATION:

Chemical feed improvements will address recommendations from both consultants and regulatory agencies. The lack of attention to the pretreatment chemical feed systems could cause over/under dosing of chemicals leading to permit violations or the loss of a chemical system resulting in an emergency project.

RISK(S):

Not addressing these recommendations will put the PWSA at risk for permit violations and failures at the Water Treatment Plant.

IMPACT ON OPERATIONS:

Optimization and flow/residual pacing of chemicals can result in reduced chemical consumption. New storage and chemical feed equipment will result in reduced maintenance costs associated with repairs on the existing pumps, maintaining storage bins and feeders. Improvements to SCADA system and flow/residual pacing will reduce manual adjustments to chemical feed systems.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,252,064	\$2,789,028	\$2,936,059	\$16,350,331	\$19,072,484	\$42,399,966	

Water Treatment Plant

Clearwell Emergency Response Project

PROJECT NUMBER: 2017-323-100-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Long-term bypass of the existing 100 + year old clearwell (finished water structure) including the construction of pump wetwells at the Aspinwall and Bruecken Pump Stations, modifications to the clearwell inlet and outlet gate house, and the construction of a bypass line around the clearwell to the outlet gate house.

PROJECT JUSTIFICATION:

The clearwell was constructed in 1908 and has not undergone any major modifications or upgrades since. The clearwell has two main functions: providing equalization storage that allows the filters to operate independently of potential fluctuations in system demands and providing sufficient contact time for disinfection agents to meet the requirements of the Surface Water Treatment Rule and Long-Term 2 Enhanced Surface Water Treatment Rule. In order to replace the clearwell, a long-term bypass is required in order to provide adequate suction pressure for the pump stations.

RISK(S):

Failure of the Clearwell would cause a disruption to the supply of water.

IMPACT ON OPERATIONS:

Ability to meet system reliability and water quality regulations.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$2,741,631	\$7,408,660	\$7,408,660	\$7,408,660	\$1,234,457	\$26,202,068	

Water Treatment Plant

Clearwell Improvements

PROJECT NUMBER: 2023-100-104-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of the existing 100 + year old clearwell (finished water structure) with multi-celled clearwell to allow for maintenance.

PROJECT JUSTIFICATION:

The clearwell was constructed in 1908 and has not undergone any major modifications or upgrades since. It has two main functions: providing equalization storage that allows the filters to operate independently of potential fluctuations in system demands, and providing sufficient retention contact time for disinfection agents to meet the requirements of the Surface Water Treatment Rule and Long-Term 2 Enhanced Surface Water Treatment Rule.

RISK(S):

Failure of the Clearwell would cause a disruption to the supply of water.

IMPACT ON OPERATIONS:

Ability to meet system reliability and water quality regulations.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$4,293,312	\$2,448,009	\$107,718	\$107,718	\$16,708,181	\$23,664,938	

Water Treatment Plant

Corrosion Control Chemical Storage & Feed Systems

PROJECT NUMBER: 2017-322-107-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory, Quality of Service

PROJECT DESCRIPTION:

Installation of three phosphoric acid storage and feed systems located at Aspinwall Pump Station, Bruecken Pump Station, and the Membrane Filtration Plant to provide corrosion control in the distribution system.

PROJECT JUSTIFICATION:

Required in order to lower lead levels in water.

RISK(S):

Not completing this project will increase the risk of not maintaining lead levels below the PADEP action level.

IMPACT ON OPERATIONS:

In order to prevent algae growth in the open Highland No. 1 Reservoir, treatment must occur at three major locations with 7 injection points. This requires additional maintenance of treatment facilities at satellite locations.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$50,000	\$0	\$0	\$0	\$0	\$50,000	

Water Treatment Plant

Highland Park Membrane Filtration Plant Assessment and Critical Process Improvements

PROJECT NUMBER: 2017-322-104-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals

PROJECT DESCRIPTION:

Complete a condition assessment of systems supporting the treatment process and perform critical improvements to maintain water treatment and allow full warranty of replacement modules. Improvements may include electrical, chemical feed, strainers, and other support systems.

PROJECT JUSTIFICATION:

Membrane module failure rate has continually increased over the last several years and are more than 5 years beyond the manufacturer's recommended replacement cycle. To allow module membrane manufacturers to extend a full warranty, a system condition assessment is needed. A detailed condition assessment is needed to address other critical worker safety and degradation of equipment that are essential to maintain the water treatment process. Improvements to the plan are required in order to restart the Membrane Filtration Plant.

RISK(S):

Exposes the Authority to higher costs to address emergency failures and exposes the Highland No. 1 Service Area to a potentially deficient or non-complaint water supply.

IMPACT ON OPERATIONS:

Increase operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$150,000	\$0	\$0	\$0	\$0	\$150,000	

Water Treatment Plant

Highland Park Microfiltration Plant Improvements Project

PROJECT NUMBER: 2021-322-100-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Repair damage caused by process water leakage from second floor membrane racks to composite floor deck system and structural steel framing above main floor of Microfiltration Plant (MFP). Construction joints in floor were sealed during the MFP UV Project. This project will repair deterioration to composite deck system and structural steel support system and apply protective coatings. This project will also repair damage to the surface of concrete floor and sump pump in acid storage room caused by leakage from acid storage tanks, piping connections and acid mixing operations.

PROJECT JUSTIFICATION:

This project will increase the safety and security of operations in addition to maintaining the integrity of chemical containment in the event of future failure.

RISK(S):

The risk of delaying the project could cause potential damage to equipment on the first floor of the MFP from falling concrete or steel deck fragments. With respect to repair of the acid storage room floor, the risk of delaying the project is the lack of integrity in the provisions for chemical containment in the event of tank failure. Acid is able to leak through the damaged sump pump into the subfloor where it could damage underground cast iron plumbing and ductile iron process piping.

IMPACT ON OPERATIONS:

This project will mitigate the potential for future emergency repairs to the first floor ceiling components or to the acid room floor that would likely be funded from the Operating Budget.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$14,128	\$0	\$0	\$0	\$0	\$14,128	

Water Treatment Plant

Hydraulic Valve Replacement Program

PROJECT NUMBER: 2023-100-105-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

This project is retrofitting the various hydraulic valve actuators primarily in the filters to electric valve actuators.

PROJECT JUSTIFICATION:

Improve operational control while modernizing the facility to better align with industry standard practices.

RISK(S):

Inefficient operations resulting from an aged facility that do not align with industry standard practices.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$89,943	\$302,299	\$2,144,253	\$713,505	\$0	\$3,250,000	

Water Treatment Plant

Lime Slurry System Improvements

PROJECT NUMBER: 2017-322-101-7 / 12 / 13

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Lime slurry system capacity expansion improvements to include demolition, installation of additional tanks, chemical feed equipment, minor revisions to the existing lime slurry system, and SCADA communications equipment and SCADA interface.

PROJECT JUSTIFICATION:

Adequate lime storage is mandated by PADEP. New system will be more efficient/require less labor to operate and maintain.

RISK(S):

The extra storage for liquid lime is critical to the reliable operation of the Water Treatment Plant.

IMPACT ON OPERATIONS:

Adequate storage, increased reliability and efficiency, less housekeeping labor.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$756,079	\$3,548,360	\$1,182,787	\$0	\$0	\$5,487,226	

Water Treatment Plant

Overhead Crane Modernization

PROJECT NUMBER: 2024-100-100-0
DSIC Eligible: No

PHASE: Not Started
PRIORITY: Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact
PROJECT DESCRIPTION: Replacement and upgrade of exisitng cranes at Bruecken, Mission, Aspinwal, and Ross Pump Stations.
PROJECT JUSTIFICATION: The current age of existing overhead cranes are well beyond their useful life and are in need of a replacement.
RISK(S): Inefficient operations resulting from an aged facility that do not align with industry standard practices.
IMPACT ON OPERATIONS: Increase operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$375,000	\$440,000	\$0	\$0	\$815,000	

Water Treatment Plant

Phase 1 Sedimentation Basin Rehabilitation and Water Treatment Plant Gate Valve and 84-inch Coupling Project

PROJECT NUMBER: 2023-100-106-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Phase 1 of the rehabilitation of the existing sedimentation Basins as recommended by the 2019 WTP CIP (Arcadis 2019) and EPA CEP (2017). Projects including regrading around existing sedimentation Basins to mitigate stormwater infiltration, rehabilitation or replacement of existing sluice gates including drain gates, disconnect existing stormwater outfall including related permitting, repair of existing vaults. The WTP portion of the project will include replacement of various isolation valves at the plant and the encasement of an existing 84-inch diameter pipe coupling.

PROJECT JUSTIFICATION:

The sedimentation basins are the only system in the Water Treatment Plant process that is open to the environment. As such, care must be taken to prevent infiltration of contaminants via surface runoff. These repairs and valve replacements were recommended by regulating agencies. Working isolation valves are required in order to properly isolate and maintain treatment. Proactive repair/maintenance will reduce the chance of complete failure of the asset.

RISK(S):

Inability to isolate the sedimentation basins in the event of an emergency and/or uncontrolled runoff into the Basins could cause regulatory violations.

IMPACT ON OPERATIONS:

Ability for staff to quickly isolate the sedimentation basins as part of routine or emergency maintenance.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$224,922	\$299,896	\$448,363	\$2,196,447	\$1,830,372	\$5,000,000	

Water Treatment Plant

Phase 2 Sedimentation Basin Rehabilitation Project

PROJECT NUMBER: 2026-100-100-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Phase 2 of this project includes cleaning the sedimentation basins, rehabilitation of weirs, intakes, and associated structures.

PROJECT JUSTIFICATION:

The sedimentation basins serve a role in secondary clarification of water after the clarifiers. This clarification combined with the fact that the basins are uncovered has led to accumulation of sediment in the basins. Secondly, structural defects in the existing concrete structure cannot be detected due to the presence of this sediment. Once the sediment is removed, each basin will be removed from service for a structural inspection and concrete repair. If moderate/major structural defects are not proactively addressed, complete failure will eventually occur and excavation will be required. Any complete failure that occurs will result in dramatically increased expenditures for repair.

RISK(S):

Possible regulatory violations due to sediment, possible failure of structure due to lack of maintenance.

IMPACT ON OPERATIONS:

Ability for staff to quickly isolate the sedimentation basins as part of routine or emergency maintenance.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$562,304	\$749,739	\$1,312,043	

Water Treatment Plant

Post-Filter Chemical System Improvements

PROJECT NUMBER: 2026-100-101-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Construction of new building for soda ash, fluoride, and phosphoric acid system closer to the feed point providing updated equipment, storage, instrumentation, and injection points. This will result in meeting current regulatory requirements, improve chemical application, and optimize the water treatment process. Portions of this project may be combined with the Clearwell Improvements Project or Aspinwall Pump Station Project.

PROJECT JUSTIFICATION:

The improvements from this project will address the recommendations from various regulatory agencies. In addition, the lack of attention to the post-filter chemical feed systems could cause over/under dosing of chemicals leading to permit violations or the loss of a chemical system resulting in an emergency project.

RISK(S):

Potential violations of permit conditions as a result of improper dosing of chemicals or failure of a chemical system resulting in emergency action.

IMPACT ON OPERATIONS:

Optimization and flow/residual pacing of chemicals can result in reduced chemical consumption. New storage and chemical feed equipment will result in reduced maintenance costs associated with repairs on the existing pumps, maintaining storage bins and feeders. Moving soda ash closer to the point of injection will reduce issues with feeding the chemical from the other end of the plant. Improvements to SCADA system and flow/residual pacing will reduce manual adjustments to chemical feed systems.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$607,288	\$809,718	\$1,417,006	

Water Treatment Plant

Powdered Activated Carbon System Improvements

PROJECT NUMBER: 2017-322-101-2/ 3

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Powdered Activated Carbon System Improvements are to include the replacement of a carbon premix tank and existing carbon slurry pumping and dosing pipework.

PROJECT JUSTIFICATION:

Components of the chemical treatment systems can no longer be operated in an effective and reliable manner to meet water quality requirements. The storage and pumping systems associated with these chemicals have reached the end of their useful life and are susceptible to failures.

RISK(S):

Inefficient operation of chemical systems results in increased operating costs, including chemical consumption, labor, solids generation and disposal, and wear on equipment.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, and life expectancy and improved safety conditions.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$40,589	\$0	\$0	\$0	\$0	\$40,589	

Water Treatment Plant

Ross Pump Station

PROJECT NUMBER: 2018-323-101-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, meters, SCADA, electrical equipment, HVAC, auxiliary systems, as well as the rehabilitation of the building architectural and energy management systems.

PROJECT JUSTIFICATION:

Pump station is in need of rehabilitation. Pumps and ancillary systems are beyond their design life.

RISK(S):

Exposes the Authority to higher capital costs to address emergency failures, and exposes customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, life expectancy, and improved safety conditions for staff.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$1,249,655	\$2,499,310	\$1,299,310	\$13,232,110	\$18,280,385	

Water Treatment Plant

Sludge Chamber Pump Project

PROJECT NUMBER: 2021-322-102-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing Sludge Pump and related components to the sludge chamber.

PROJECT JUSTIFICATION:

The submersible pumps are not operational because they are not capable of handling the type of sludge coming from the clarifier drainage. The pump system needs to be designed to ensure the proper pump size and selection suitable for sludge handling is utilized.

RISK(S):

Inefficient operations resulting from an aged facility that do not align with industry standard practices.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, and life expectancy,.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$386,722	\$869,343	\$0	\$0	\$0	\$1,256,065	

Water Treatment Plant

Water Treatment Plant Filter Backwash System Improvements

PROJECT NUMBER: 2023-100-107-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Improvements to filter backwash system to increase capacity and provide greater high backwash flow rates and addressing issues.

PROJECT JUSTIFICATION:

The backwash system cannot attain high wash flow rates recommended by regulators, which may be impacting filter performance/backwash frequency. In addition, the backwash system has areas that can be improved to help with operations including resolving pump vibration and shutdown issues at low flow rates.

RISK(S):

Potential noncompliance with permitted design of filter system and water quality issues.

IMPACT ON OPERATIONS:

Improved operating efficiency.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$740,054	\$883,290	\$2,996,022	\$8,880,634	\$0	\$13,500,000	

Water Treatment Plant

Water Treatment Plant Filter Building Roof

PROJECT NUMBER: 2024-100-101-0
DSIC Eligible: No

PHASE: Not Started
PRIORITY: Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact
PROJECT DESCRIPTION: Roof and parapet flashing replacement at the Water Treatment Plant filter building.
PROJECT JUSTIFICATION: The existing roof is aged and in need of replacement.
RISK(S): Continued deterioration of the roof could result in a emergency replacement.
IMPACT ON OPERATIONS: Decrease in yearly maintenance for the existing roof.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$3,500,000	\$0	\$0	\$0	\$3,500,000	

Water Treatment Plant

Water Treatment Plant HVAC Improvements

PROJECT NUMBER: 2024-100-102-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Improvements to aged HVAC systems at the Water Treatment Plant.

PROJECT JUSTIFICATION:

The HVAC systems at the Water Treatment Plant are at risk for failure due to its age.

RISK(S):

Failure of HVAC systems.

IMPACT ON OPERATIONS:

Reduction in future maintenance costs associated with aging equipment and multiple HVAC units.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$163,333	\$358,333	\$858,333	\$0	\$1,379,999	

Water Treatment Plant

Water Treatment Plant NPDES Permit Autosamplers and Flow Meters

PROJECT NUMBER: 2023-100-108-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Purchase and installation of autosamplers to improve the ability of DEP required sampling.

PROJECT JUSTIFICATION:

This project is necessary to ensure that all of the required DEP sampling gets performed in a safe and efficient manner.

RISK(S):

The risks with not completing or delaying this project would be potentially missing sampling deadlines for DEP required sampling.

IMPACT ON OPERATIONS:

Improved operating efficiency.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Cash (Rates)
Annual Allocation	\$164,400	\$124,500	\$0	\$0	\$0	\$288,900	

Water Treatment Plant

Water Treatment Plant Rail Siding Improvements

PROJECT NUMBER: 2023-100-109-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of failed railroad ties, missing aggregate, and switch/track/stop repairs or removal for the rail siding at Aspinwall Pump Station.

PROJECT JUSTIFICATION:

Rail siding is required to maintain an alternate means of chemical delivery to Aspinwall Pump Station. This project will allow for the annual replacement of rail siding in order to meet rail standards.

RISK(S):

Failure to pass rail inspection and loss of alternate chemical delivery means.

IMPACT ON OPERATIONS:

Improved operating efficiency.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$800,000	\$300,000	\$300,000	\$300,000	\$300,000	\$2,000,000	

Water Treatment Plant

WTP Sodium Hypochlorite Tank Emergency Replacement

PROJECT NUMBER: 2022-322-101-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Quality of Service

PROJECT DESCRIPTION:

The project includes the replacement of three Sodium Hypochlorite storage tanks.

PROJECT JUSTIFICATION:

This is an urgent project to maintain adequate treatment capabilities.

RISK(S):

The project includes the emergency replacement of three Sodium Hypochlorite storage tanks. There are four existing storage tanks. Two of the storage tanks will be removed from service in 2022 due to leakage and the age of the other two is such that they are at the end of their useful life. They will be replaced with three new tanks in kind to maintain the required storage capacity.

IMPACT ON OPERATIONS:

Maintain adequate treatment capabilities.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$150,000	\$0	\$0	\$0	\$0	\$150,000	

Water Treatment Plant

Water Treatment Plant Contingency

PROJECT NUMBER: 2023-100-110-0

DSIC Eligible: No

PHASE:
Not Applicable

PRIORITY:
Not Applicable

PROJECT DESCRIPTION:
Water Treatment Plant contingency pass-through project.

PROJECT JUSTIFICATION:
Improved efficiency of capital improvement plan fund management.

RISK(S):
No identified risks.

IMPACT ON OPERATIONS:
Improved efficiency of capital improvement plan management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	



Water Pumping and Storage



Water Pumping and Storage

Aspinwall Pump Station Improvements

PROJECT NUMBER: 2017-323-104-0

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems at the Bruecken and Aspinwall Pump Stations or replacement with a single high service pump station at the Water Treatment Plant.

PROJECT JUSTIFICATION:

The pump Station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff. Additionally, installation of variable frequency drives will reduce water pressure surges during start-up, and allow the pumps to operate over a wide range of flow, allow the pumps to operate while the clearwell is being replaced. Alternately, a new high service pump station to replace the existing pump stations is also being investigated.

RISK(S):

Exposes the Authority to higher capital costs to address emergency failures and customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/PENN VEST
Annual Allocation	\$4,748,966	\$15,197,172	\$15,197,170	\$15,227,974	\$2,548,263	\$52,919,545	

Water Pumping and Storage

Aspinwall Pump Station to Lanpher Reservoir Rising Main

PROJECT NUMBER: 2018-323-100-0

DSIC Eligible: No

PHASE:

Design – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Construction of a new, redundant rising main from Aspinwall Pump Station to Lanpher Reservoir.

PROJECT JUSTIFICATION:

The existing 60" rising main that supplies the Lanpher Reservoir is a 150 year old riveted steel pipe, has several tap connections to critical and bulk customers, and has experienced recent pipe failures. The proposed rising main would serve as a primary supply source for the Lanpher Reservoir during the Clearwell Replacement Project and a redundant supply line in case of a failure or planned cleaning and rehabilitation of the existing 60" supply main.

RISK(S):

Failure of the rising main could impact up to half of PWSA's customers.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/PENN VEST
Annual Allocation	\$2,147,167	\$29,622,031	\$44,331,727	\$44,331,727	\$14,777,241	\$135,209,893	

Water Pumping and Storage

Aspinwall WTP Chemical Unloading Area Improvements and Underground Storage Tank Removal and Replacement

PROJECT NUMBER: 2022-322-100-0
DSIC Eligible: No

PHASE:

Design – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Design and construction of secondary spill containment around railcar and truck chemical unloading areas. A nearby tunnel underdrain must also be disconnected from the combined sewers, and will be completed as part of the work in the area.

PROJECT JUSTIFICATION:

Required as part of PADEP regulatory recommendations.

RISK(S):

Not completing the work could lead to future environmental incidents and potential violations from regulatory agencies due to chemical spills.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved environmental conditions.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,352,161	\$0	\$0	\$0	\$0	\$1,352,161	

Water Pumping and Storage

Bruecken Pump Station Concealed Gutters

PROJECT NUMBER: 2024-300-100-0

DSIC Eligible: No

PHASE:

Planning – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Concealed gutter replacement and related improvements at Bruecken Pump Station.

PROJECT JUSTIFICATION:

The existing concealed gutters backup with water and can cause leakage inside of the building.

RISK(S):

Continued leaks will eventually damage roof substrate and interior and exterior masonry.

IMPACT ON OPERATIONS:

Reduced service repair needs and improved efficiency of operations.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$175,000	\$0	\$0	\$0	\$175,000	

Water Pumping and Storage

Bruecken Pump Station Improvements

PROJECT NUMBER: 2017-323-106-0

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems.

PROJECT JUSTIFICATION:

The pump station was constructed in 1931. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff. Additionally, installation of variable frequency drives will reduce water pressure surges during start-up, allow the pumps to operate more efficiently over a wide range of flow demands, and will reduce the required size of the new Clearwell.

RISK(S):

Exposes PWSA to higher capital costs to address emergency facility failures and its customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/PENN VEST
Annual Allocation	\$8,653,054	\$30,991,126	\$30,991,126	\$31,037,546	\$5,188,398	\$106,861,250	

Water Pumping and Storage

Chlorine Booster Station Improvements

PROJECT NUMBER: 2019-323-101-0

DSIC Eligible: No

PHASE:

Design – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing chlorine injection facilities at reservoirs and tanks for chlorine residual.

PROJECT JUSTIFICATION:

PWSA boosts chlorine residual at a majority of its storage facilities. Recent changes to PADEP regulations require an increase in minimum chlorine residual levels in the distribution system. All chlorine booster facilities need to be upgraded in order to meet these requirements.

RISK(S):

Exposes the Authority's customers to poor water quality.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$311,269	\$6,436,148	\$7,007,549	\$583,962	\$0	\$14,338,928	

Water Pumping and Storage

Disinfection By-Products Mitigation

PROJECT NUMBER: 2020-323-101-0

DSIC Eligible: No

PHASE:

Design – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing trihalomethane (THM) removal systems at Allentown tanks, Squirrel Hill tank, and Brashears tanks.

PROJECT JUSTIFICATION:

Repair of the existing system to improve the level of service provided to customers.

RISK(S):

Delaying the replacement of the existing systems will result in increased downtime of the existing systems that need to be repaired. This will lead to possible regulatory violations for exceeding THM levels.

IMPACT ON OPERATIONS:

Decrease in yearly maintenance for the existing system.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$5,183,171	\$1,426,705	\$0	\$0	\$0	\$6,609,876	

Water Pumping and Storage

Garfield Tank Improvements

PROJECT NUMBER: 2024-300-101-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Rehabilitation or replacement of the existing tank. Increase of tank capacity may be necessary.

PROJECT JUSTIFICATION:

The Garfield Elevated Storage Tank was constructed in 1959 and last rehabilitated in 1992. The existing tank does not have sufficient capacity to meet PADEP's requirements for sizing, which states that a tank must have sufficient capacity to meet average day demand plus fire flow demand. This project will provide adequate storage through system redundancy to meet the pressure district's demand and fire flow conditions.

RISK(S):

Exposes PWSA customers to poor water quality from coating problems or a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$122,198	\$244,397	\$314,224	\$2,246,121	\$2,926,940	

Water Pumping and Storage

Herron Hill Pump Station Improvements

PROJECT NUMBER: 2023-300-100-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station was originally constructed in the late 1890's. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes PWSA to higher capital costs to address emergency failures and customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$409,195	\$818,391	\$496,552	\$12,275,862	\$0	\$14,000,000	

Water Pumping and Storage

Herron Hill Reservoir Improvements

PROJECT NUMBER: 2019-323-100-0

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing reservoir liner and cover and associated reservoir rehabilitation. Replacement of existing chlorine injection system. Project close-out phase in 2023.

PROJECT JUSTIFICATION:

The existing cover has reached the end of its useful life and must be replaced. Existing chlorine feed systems are beyond their useful life and must be replaced.

RISK(S):

Exposes the Authority's customers to poor water quality from reservoir failure and inadequate booster disinfection.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$198,631	\$0	\$0	\$0	\$0	\$198,631	

Water Pumping and Storage

Herron Hill Reservoir Improvements - Sodium Hypochlorite Building

PROJECT NUMBER: 2019-323-100-1 / 2 / 3 / 4

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing chlorine injection system.

PROJECT JUSTIFICATION:

Existing chlorine feed systems are beyond their useful life and must be replaced.

RISK(S):

Exposes the Authority's customers to poor water quality and possible PADEP violations due to inadequate booster disinfection.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$828,429	\$0	\$0	\$0	\$0	\$828,429	

Water Pumping and Storage

Herron Hill Tank Pump Station Improvements

PROJECT NUMBER: 2024-300-102-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes PWSA to higher capital costs to address emergency failures and customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$164,077	\$195,529	\$1,320,197	\$1,320,197	\$3,000,000	

Water Pumping and Storage

Highland 1 Reservoir Liner

PROJECT NUMBER: 2026-300-100-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of existing Highland 1 Reservoir liner.

PROJECT JUSTIFICATION:

The reservoir liner is past it's useful design life and is in need of replacement.

RISK(S):

Failure to replace the liner could result an emergency repairs or replacement.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, and life expectancy,.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$704,981	\$0	\$704,981	

Water Pumping and Storage

Highland No. 2 Reservoir Liner and Cover Replacements

PROJECT NUMBER: 2019-323-102-0 / 1

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing reservoir liner and cover and associated reservoir rehabilitation. Replacement of existing chlorine injection system and an upgrade of the reservoir outlet structure.

PROJECT JUSTIFICATION:

The Highland No. 2 Reservoir will be used as a temporary Clearwell while the new Clearwell is being constructed. Existing chlorine feed facilities must be upgraded to meet PADEP regulatory requirements for distribution chlorine residual. Existing reservoir outlet structure must be upgraded to accommodate new Highland Reservoir Pump Station.

RISK(S):

Exposes PWSA customers to poor water quality from reservoir failure and inadequate booster disinfection.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/Debt (Revenue Bonds)
Annual Allocation	\$2,122,235	\$6,515,355	\$4,072,096	\$0	\$0	\$12,709,686	

Water Pumping and Storage

Highland Reservoir Pump Station and Rising Main

PROJECT NUMBER: 2017-323-101-0/ 5

DSIC Eligible: No

PHASE:

Design – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Construction of a new finished water pump station and transmission main to supply water to the Highland No. 1 Service Area from Highland No. 2 Reservoir.

PROJECT JUSTIFICATION:

All water supply for the Highland No. 1 Service Area currently flows through the Highland No. 1 Reservoir and the MFP. There is no other source water supply for the Highland No. 1 Service Area. In addition to providing alternate supply, this project is to temporarily provide finished water that meets the chlorine disinfection rules to the Highland No. 1 Service Area during the Clearwell Replacement Project. Additionally, this new facility could also be designed to service the Garfield pressure district, thus eliminating the rehabilitation of the Highland Pump Station.

RISK(S):

Failure of the two rising mains (No. 1 or No. 2), MFP, or Bruecken Pump Station would result in significant service disruption.

IMPACT ON OPERATIONS:

Increased operation and maintenance labor and expenses. Increased operating flexibility in the future.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$23,789,287	\$14,537,145	\$8,983,410	\$0	\$0	\$47,309,842	

Water Pumping and Storage

Howard Pump Station Improvements

PROJECT NUMBER: 2025-300-100-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station was originally constructed between 1900 and 1904. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for the staff.

RISK(S):

Lack of facility planning exposes the Authority to higher capital costs to address emergency failures and its customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$577,267	\$1,154,534	\$694,764	\$2,426,565	

Water Pumping and Storage

Inline Pump Station (Coral and Pacific) Improvements

PROJECT NUMBER: 2024-300-103-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes the Authority to higher capital costs to address emergency failures and its customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, reliability, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$32,980	\$39,434	\$264,368	\$263,218	\$600,000	

Water Pumping and Storage

Lanpher Reservoir Improvements

PROJECT NUMBER: 2017-323-105-0 / 1 / 2 / 3

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Replacement of existing reservoir liner and cover and associated reservoir rehabilitation. Replacement of existing chlorine injection system.

PROJECT JUSTIFICATION:

The existing cover failed and had to be replaced on an emergency basis as part of the PADEP October 2017 Administrative Order. Existing chlorine feed systems are beyond their useful life and must be replaced.

RISK(S):

Exposes the Authority's customers to poor water quality from reservoir failure and inadequate booster disinfection.

IMPACT ON OPERATIONS:

Increased flexibility and reliability, system compliance, and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$2,778,963	\$6,370,326	\$3,716,024	\$0	\$0	\$12,865,313	

Water Pumping and Storage

Lincoln Pump Station Improvements

PROJECT NUMBER: 2023-300-101-0

DSIC Eligible: No

PHASE:

Planning – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, and auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station was originally constructed in 1952. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes the Authority to higher capital costs to address emergency failures and customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$288,633	\$288,633	\$1,258,748	\$2,109,323	\$1,054,663	\$5,000,000	

Water Pumping and Storage

Lincoln Pump Station: Bypass Pump Station Project

PROJECT NUMBER: 2020-323-100-0/ 1/ 2

DSIC Eligible: No

PHASE:

Construction – Project Close

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Construction of a temporary bypass pump station that will be used at the Lincoln Pump Station and Saline Pump Station. This pump station will allow for the existing pump station to be taken off line completely for rehabilitation.

PROJECT JUSTIFICATION:

Repair of existing pump station while trying to keep it online increases the cost and construction time. This is a cost effective way to provide temporary pumping.

RISK(S):

Delaying the construction of this pump station will delay the renewal of existing pump stations that are in need of upgrades.

IMPACT ON OPERATIONS:

Decrease in yearly maintenance for the existing system.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$2,155,907	\$2,164,264	\$0	\$0	\$0	\$4,320,171	

Water Pumping and Storage

Lincoln Tank Improvements

PROJECT NUMBER: 2023-300-102-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Rehabilitation or replacement of the existing tank.

PROJECT JUSTIFICATION:

Constructed in 1939, this tank is nearing the end of its useful life. The last inspection, which was performed in 2018, noted deficiencies that need to be addressed to ensure water quality standards are met.

RISK(S):

Exposes the Authority's customers to poor water quality from coating problems or a potentially deficient water supply in the event of tank failure.

IMPACT ON OPERATIONS:

Increased flexibility and reliability and system compliance.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$337,529	\$203,589	\$3,680,670	\$0	\$0	\$4,221,788	

Water Pumping and Storage

Mission Pump Station Improvements

PROJECT NUMBER: 2025-300-101-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The Mission Pump Station is the only pumping station located south of the Monongahela River and was originally constructed between 1910 and 1912. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes the Authority to higher capital costs to address emergency failures and its customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$577,267	\$1,154,534	\$694,764	\$2,426,565	

Water Pumping and Storage

Pump Station Architectural

PROJECT NUMBER: 2026-300-101-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Rehabilitate exterior and interior masonry, glazing, and roof of existing pump stations

PROJECT JUSTIFICATION:

Existing building façade, roof, and window systems are in need of upgrade to protect interior pumps and electrical equipment from the elements. Rehabilitation of these pump stations has not occurred within the past 40 years for most facilities.

RISK(S):

Façade collapse, leaking roof and windows could lead to equipment failures

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$2,500,000	\$0	\$2,500,000	

Water Pumping and Storage

Saline Pump Station Improvements

PROJECT NUMBER: 2026-300-102-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Replacement of aged pump and valve equipment, electrical equipment, HVAC, auxiliary systems, and rehabilitation of the building architectural and energy management systems as prioritized by the recommended Finished Water Pump Stations Condition Assessment Project.

PROJECT JUSTIFICATION:

The pump station was originally constructed in 1935. The pump station is in need of renovations and upgrades to maintain service, restore a 20 to 25 year useful life expectancy, and to provide safer conditions for staff.

RISK(S):

Lack of facility planning exposes the Authority to higher capital costs to address emergency failures and its customers to a potentially deficient water supply.

IMPACT ON OPERATIONS:

Increased operating efficiency, flexibility, and reliability and improved safety conditions for staff.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$192,422	\$288,633	\$481,055	

Water Pumping and Storage

Spring Hill Tank Improvements

PROJECT NUMBER: 2024-300-104-0

DSIC Eligible: No

PHASE:

Not Started – Project Close

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Perform a comprehensive inspection of the existing storage tanks and rehabilitation or replacement of the existing tanks.

PROJECT JUSTIFICATION:

Constructed in 1929 of riveted steel, the coatings and structure of these tanks need to be rehabilitated due to corrosion.

RISK(S):

Exposes the Authority's customers to poor water quality from coating problems or a potentially deficient water supply in the event of tank failure.

IMPACT ON OPERATIONS:

Increased flexibility and reliability and system compliance.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$62,335	\$122,669	\$73,819	\$933,589	\$1,192,412	

Water Pumping and Storage

Water Pumping and Storage Contingency

PROJECT NUMBER: 2023-300-103-0

DSIC Eligible: No

PHASE:

Not Applicable – Project Close

PRIORITY:

Not Applicable

PROJECT DESCRIPTION:

Water Pumping and Storage contingency pass-through project.

PROJECT JUSTIFICATION:

Improved efficiency of capital improvement plan fund management.

RISK(S):

No identified risks.

IMPACT ON OPERATIONS:

Improved efficiency of capital improvement plan management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	



Water Distribution



Water Distribution System

2019 Large Diameter Water Main Improvements - Rising Main 3/4

PROJECT NUMBER: 2019-325-103-0

DSIC Eligible: No

PHASE:
Construction

PRIORITY:
Regulatory Compliance, Safety Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:
Strategic replacement or rehabilitation of large diameter water mains (16-inch and larger) and appurtenances to improve system reliability and hydraulics, including internal and external inspections.

PROJECT JUSTIFICATION:
Maintaining a proactive approach to replacing large mains will ensure that large mains are replaced before the end of their useful life.

RISK(S):
The consequences of failure for larger mains are much greater than for smaller distribution mains, which typically include significant service outages (larger area and longer time frame impacts), as well as property and roadway damage.

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/Debt (Revenue Bonds)
Annual Allocation	\$3,062,142	\$240,770	\$0	\$0	\$0	\$3,302,912	

Water Distribution System

2019 Large Diameter Water Main Improvements - Rising Main 4

PROJECT NUMBER: 2019-325-103-1

DSIC Eligible: No

PHASE:
Procurement

PRIORITY:
Regulatory Compliance, Safety Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:
Strategic replacement or rehabilitation of large diameter water mains (16-inch and larger) and appurtenances to improve system reliability and hydraulics, including internal and external inspections.

PROJECT JUSTIFICATION:
Maintaining a proactive approach to replacing large mains will ensure that large mains are replaced before the end of their useful life.

RISK(S):
The consequences of failure for larger mains are much greater than for smaller distribution mains, which typically include significant service outages (larger area and longer time frame impacts), as well as property and roadway damage.

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	WIFIA/PENNV EST
Annual Allocation	\$12,529,326	\$4,176,441	\$0	\$0	\$0	\$16,705,767	

Water Distribution System

Bus Rapid Transit Water Distribution

PROJECT NUMBER: 2020-325-102-0

DSIC Eligible: No

PHASE:
Construction

PRIORITY:
Safety, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

The City of Pittsburgh is making roadway improvements on Fifth Ave and Forbes Ave from downtown through Oakland, with full depth reconstruction planned on Forbes from Crosstown Blvd to Craft Ave and on Fifth between Crosstown Blvd and the Birmingham Bridge. The City's work, in partnership with the Port Authority, will include signal pole upgrades, traffic redesign, sidewalk bumpouts, and new bus shelters. The full depth reconstruction portion of the project has the potential to affect existing 15-inch, 16-inch, 20-inch, and 6-inch mains that are 80-100+ years old. The full depth replacement of the roadway along with lowering of the roadway could result in damage to these mains. These mains should be replaced as part of this project.

PROJECT JUSTIFICATION:

The full depth replacement of the roadway along with lowering of the roadway could result in damage to these mains.

RISK(S):

Replacement of water mains along the Fifth and Forbes corridor reduces the risk of service outages due to breaks, reduces the potential for inadequate capacity for firefighting activities, and improves water quality.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000	

Water Distribution System

District Metering Program

PROJECT NUMBER: 2025-200-100-0, Unidentified

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Installation of system flow meters to track the flow of water and compare to area consumption to determine where leaks are the greatest.

PROJECT JUSTIFICATION:

The district metering is intended to gather additional information on areas with suspected leakage and then prioritize areas for rehabilitation and replacement.

RISK(S):

Failure to track water loss will result in loss of revenue.

IMPACT ON OPERATIONS:

Decreased water loss.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
<u>Program Years</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
	\$0	\$0	\$2,600,000	\$3,380,000	\$3,380,000	\$9,360,000	
2025 District Metering	\$0	\$0	\$2,600,000	\$780,000	\$0	\$3,380,000	
2026 District Metering	\$0	\$0	\$0	\$2,600,000	\$780,000	\$3,380,000	
2027 District Metering	\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000	

Water Distribution System

Hazelwood Backup Feed

PROJECT NUMBER: 2023-200-100-0

DSIC Eligible: No

PHASE:
Not Started

PRIORITY:
Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:
Either repair the existing failed 16" main or abandon and provide interconnections with the Squirrel Hill system.

PROJECT JUSTIFICATION:
The Duck Hollow 16" main failed as a result of a landslide in 2018. The main will need to either be abandoned and replaced with emergency interconnections.

RISK(S):
Existing failed 16" main does not provide any backup water supply leading to a loss of resiliency.

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	<u>Debt (Revenue Bonds)</u>
Annual Allocation	\$175,156	\$175,156	\$1,115,471	\$1,534,487	\$0	\$3,000,270	

Water Distribution System

Herron Hill - Squirrel Hill Boundary Adjustments

PROJECT NUMBER: 2025-200-101-0

DSIC Eligible: No

PHASE:
Not Started

PRIORITY:
Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:
Main and valve adjustments to move the boundary between the Herron Hill Reservoir and Squirrel Hill pressure districts.

PROJECT JUSTIFICATION:
Herron Hill and Squirrel Hill operate on similar hydraulic gradients. There are areas where these two systems intertwine, which has resulted in long dead end lines as well as frequent opening and altering of dividing pressure valves. Moving the boundary of the two zones to incorporate more of the Herron Hill system into the Squirrel Hill system will alleviate these issues as well as alleviate demand on the Herron Hill Reservoir.

RISK(S):
Existing long dead ends can cause water quality issues.

IMPACT ON OPERATIONS:
Decreased leakage between pressure districts.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$52,928	\$355,187	\$635,885	\$1,044,000	

Water Distribution System

Interconnection Vault Stormwater Removal

PROJECT NUMBER: 2022-325-102-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Regulatory Compliance, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: The purpose of this project is to install permanent sump pumps for stormwater dewatering at all of our interconnection vault locations. This project is required by a Consent Order Agreement.
PROJECT JUSTIFICATION: This project is required by a Consent Order Agreement.
RISK(S): Failure to maintain regulatory compliance.
IMPACT ON OPERATIONS: Improved system efficiency.

CASH FLOW SUMMARY							FUNDING SOURCE(S)
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$453,008	\$1,225,931	\$611,310	\$0	\$0	\$2,290,249	

Water Distribution System

Intermediate Diameter Water Main Replacement Program

PROJECT NUMBER: 2025-200-102-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Strategic replacement of water mains to improve system reliability as well as improve water pressure, maintain water quality, and minimize disturbance to the community. Program will focus on 16" to 36" diameter mains.

PROJECT JUSTIFICATION:

By maintaining a proactive approach to asset management, efforts can be directed towards remedying assets before their failure, thus saving overall replacement cost. Additionally, projects will be coordinated with other utilities to minimize disturbance to the community and street surface restoration costs. Water quality will also improve by removing tuberculated mains.

RISK(S):

Customers may be subject to service outages or the potential for inadequate pressure.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability, decrease in non-revenue water due to leaks.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
<u>Program Years</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
	\$0	\$0	\$2,603,833	\$4,488,230	\$42,775,187	\$49,867,251	
2025 Intermediate Main Replacement	\$0	\$0	1,283,549	1,541,899	20,364,552	\$23,190,000	
2026 Intermediate Main Replacement	\$0	\$0	\$1,320,284	\$1,584,614	20,774,834	\$23,679,732	
2027 Intermediate Main Replacement	\$0	\$0	\$0	\$1,361,717	\$1,635,801	\$2,997,518	

Water Distribution System

Intermediate Meter Replacement Program

PROJECT NUMBER: 2021-325-100-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Operating Efficiency, Quality of Service, Organizational Goals
PROJECT DESCRIPTION: Replacement of customer meters size 1.5" to 2".
PROJECT JUSTIFICATION: Ensure capture of all revenue. As meters age, they typically underestimate the amount of water consumed.
RISK(S): Failure to replace meters annually could result in lost revenue or violate regulatory requirements.
IMPACT ON OPERATIONS: Increased system reliability, reliability, and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$143,077	\$84,308	\$86,538	\$87,000	\$87,000	\$487,923	

Water Distribution System

Large Diameter Water Main Replacement Program

PROJECT NUMBER: 2019-325-103-0, 2019-323-103-1, 2020-325-109-0, 2023-200-101-0, 2024-200-100-0, 2025-200-103-0, 2026-200-100-0, 2027-200-100-0, Unidentified

DSIC Eligible: No

PHASE:

Construction / Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Strategic replacement or rehabilitation of large diameter water mains (16" and larger) and appurtenances to improve system reliability and hydraulics, including internal and external inspections.

PROJECT JUSTIFICATION:

The Authority's water system has approximately 122 miles of large diameter water mains. Maintaining a proactive approach to replacing large mains will ensure that large mains are replaced before the end of their useful life.

RISK(S):

The consequences of failure for larger mains are much greater than for smaller distribution mains, which typically include significant service outages (larger area and longer time frame impacts).

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
	\$2,980,666	\$4,820,096	\$23,316,702	\$38,087,877	\$33,256,579	\$102,461,920	
2020 Large Diameter Main Replacement – Four Mile Run	\$801,877	\$850,000	\$7,156,250	\$17,175,000	\$10,018,750	\$36,001,877	
2023 Large Diameter Main Replacement	\$1,244,067	\$1,137,890	\$11,464,181	\$5,713,862	\$0	\$19,560,000	
2024 Large Diameter Main Replacement	\$934,721	\$1,869,443	\$1,779,098	\$10,361,857	\$8,634,881	\$23,580,000	
2025 Large Diameter Main Replacement	\$0	962,763	1,925,526	1,832,471	10,672,713	\$15,393,473	
2026 Large Diameter Main Replacement	\$0	\$0	\$991,646	\$1,983,292	\$1,887,445	\$4,862,383	
2027 Large Diameter Main Replacement	\$0	\$0	\$0	\$1,021,395	\$2,042,791	\$3,064,186	

Water Distribution System

Large Meter Replacement Program

PROJECT NUMBER: 2023-200-102-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Regulatory Compliance, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: Annual replacement of water meters larger than 1".
PROJECT JUSTIFICATION: Ensure capture of all revenue. As meters age, they typically underestimate the amount of water consumed.
RISK(S): Failure to replace meters annually could result in lost revenue.
IMPACT ON OPERATIONS: Increased system reliability, reliability, and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,557,508	\$1,341,457	\$567,308	\$337,000	\$337,000	\$4,140,273	

Water Distribution System

Low Pressure Area Remediation

PROJECT NUMBER: 2021-325-101-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Regulatory Compliance, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: Fix chronically low pressure areas by either extending neighboring higher pressure districts into the area, booster pump stations, or household booster pumps.
PROJECT JUSTIFICATION: This project is in response to the low pressure monitors required by the October 2017 Administrative Order.
RISK(S): Customers may experience temporary service outages as a result of the work on this project.
IMPACT ON OPERATIONS: Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$23,278	\$279,331	\$1,393,832	\$1,696,441	

Water Distribution System

Neighborhood Lead Service Line Replacement Program

PROJECT NUMBER: 2021-325-109-0

DSIC Eligible: Yes

PHASE:

Planning/Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Neighborhood Lead Service Line Replacement (LSLR) program to replace all remaining public and private lead service lines within the PWSA water service area. Program will be developed once 2023-2026 Small Diameter Water Main Replacement program is fully planned.

PROJECT JUSTIFICATION:

Comply with PWSA goals in the Lead Infrastructure Plan approved by PUC.

RISK(S):

Compliance with PWSA goals and regulatory recommendations.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability and water quality.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$13,582,757	\$27,792,500	\$55,585,000	\$27,792,500	\$0	\$124,752,757	ARPA/PEN NVEST

Water Distribution System

North Side Boundary Adjustments

PROJECT NUMBER: 2025-200-104-0

DSIC Eligible: No

PHASE:
Not Started

PRIORITY:
Operating Efficiency, Quality of Service, Organizational Goals

PROJECT DESCRIPTION:
Main and valve installation to move some low pressure areas from the McNaugher Pressure District to the Brashears Pressure District.

PROJECT JUSTIFICATION:
Areas within the McNaugher Pressure District that are near the Brashears Pressure District could have increased pressure by moving the pressure zone boundary through main improvements and valve adjustments.

RISK(S):
Existing services are near or below minimum standards (20 psi).

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$79,393	\$532,780	\$953,827	\$1,566,000	

Water Distribution System

Priority LSLR

PROJECT NUMBER: 2021-325-107-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Provide for LSLR at Priority sides including childcare facilities and exceedance locations.

PROJECT JUSTIFICATION:

Comply with PWSA goals in the Lead Infrastructure Plan approved by PUC.

RISK(S):

Failure to replace private lead service lines poses a public health risk.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability and water quality.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000	PENNVEST

Water Distribution System

Private Lead Service Line Reimbursement Program

PROJECT NUMBER: 2023-200-103-0

DSIC Eligible: Yes

PHASE:
Not Started

PRIORITY:
Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:
Reimbursement of private line lead service line costs.

PROJECT JUSTIFICATION:
Replacing both private and public lead service lines is required to eliminate lead in the water system.

RISK(S):
Failure to replace private lead service lines poses a public health risk.

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$400,000	\$0	\$0	\$0	\$0	\$400,000	

Water Distribution System

Regulator Valve and Vault Replacement Program

PROJECT NUMBER: 2021-325-102-0, 2023-200-104-0, 2024-200-101-0, 2025-200-105-0, 2026-200-101-0, 2027-325-200-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Safety, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: Replacement of pressure zone interconnection vaults including new pressure regulators, flow meters, pressure transmitters, and SCADA communications.
PROJECT JUSTIFICATION: Existing regulator stations are in need of replacement. This will also aid in identification of non-revenue water.
RISK(S): Failure to fix could result in failure of the vault.
IMPACT ON OPERATIONS: Decreased leakage will result in decrease of pumping energy.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Years	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$378,494	\$1,839,361	\$3,446,739	\$4,173,180	\$3,439,080	\$13,276,854	
2021 Regulator Valve and Vault Replacement	\$233,422	\$933,717	914,264	\$0	\$0	\$2,081,403	Debt (Revenue Bonds)
2022 Regulator Valve and Vault Replacement	\$89,723	\$517,050	\$257,850	\$292,720	\$0	\$1,157,343	
2023 Regulator Valve and Vault Replacement	\$55,349	\$305,570	\$1,760,920	\$878,161	\$0	\$3,000,000	
2024 Regulator Valve and Vault Replacement	\$0	\$83,024	\$458,355	\$2,641,379	\$1,317,242	\$4,500,000	
2025 Regulator Valve and Vault Replacement	\$0	\$	\$55,349	\$305,570	\$1,760,920	\$2,121,839	
2026 Regulator Valve and Vault Replacement	\$0	\$0	\$0	\$55,350	\$305,570	\$360,920	
2027 Regulator Value and Vault Replacement	\$0	\$0	\$0	\$0	55,349	\$55,349	

Water Distribution System

Small Diameter Water Main Replacement Program

PROJECT NUMBER: 2020-325-106-0 / 1 / 2, 2021-325-104-0/ 1/ 2, 2022-325-113-0/ 2/ 3, 2023-200-105-0, 2024-200-102-0, 2025-200-106-0, 2026-200-102-0, Unidentified

DSIC Eligible: Yes

PHASE:

Construction / Design / Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Strategic replacement of water mains to improve system reliability as well as improve water pressure, maintain water quality, and minimize disturbance to the community. Program will initially focus on replacing existing 4" and 6" unlined cast iron mains and mains with a history of frequent breaks.

PROJECT JUSTIFICATION:

By maintaining a proactive approach to asset management, efforts can be directed towards remedying assets before their failure, thus saving overall replacement cost. Additionally, projects will be coordinated with other utilities to minimize disturbance to the community and street surface restoration costs. Water quality will also improve by removing tuberculated mains.

RISK(S):

Customers may be subject to service outages.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$83,515,129	\$75,057,894	\$57,763,375	\$53,807,131	\$89,408,776	\$359,552,305	
2021 Small Main Replacement	\$27,077,320	\$0	\$0	\$0	\$0	\$27,077,320	Debt (Revenue Bonds) / PENNVEST
2022 Small Main Replacement	\$47,405,571	\$33,861,122	\$0	\$0	\$0	\$81,266,693	
2023 Small Main Replacement	\$7,982,472	\$26,104,038	\$8,701,346	\$0	\$0	\$42,787,856	
2024 Small Main Replacement	\$1,049,756	\$14,287,293	\$37,846,331	\$9,461,583	\$0	\$62,644,963	
2025 Small Main Replacement	\$0	\$805,441	\$10,109,849	\$26,498,219	\$6,624,555	\$44,038,064	
2026 Small Main Replacement	\$0	\$0	\$1,105,849	\$14,431,097	\$38,033,034	\$53,569,980	
2027 Small Main Replacement	\$0	\$0	\$0	\$3,416,232	\$44,751,187	\$48,167,419	

Water Distribution System

Small Meter Replacement Program

PROJECT NUMBER: 2023-200-106-0

DSIC Eligible: No

PHASE:

Construction / Not Started

PRIORITY:

Regulatory Compliance, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Annual replacement of water meters 1" or less.

PROJECT JUSTIFICATION:

Ensure capture of all revenue. As meters age, they typically underestimate the amount of water consumed.

RISK(S):

Failure to replace meters annually could result in lost revenue or violate regulatory requirements.

IMPACT ON OPERATIONS:

Increased system reliability, reliability, and improved system management.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$1,723,172	\$1,351,089	\$480,769	\$250,000	\$291,667	\$4,096,697	Debt (Revenue Bonds)

Water Distribution System

South Side Slopes Boundary Adjustments

PROJECT NUMBER: 2025-200-107-0

DSIC Eligible: No

PHASE:
Not Started

PRIORITY:
Operating Efficiency, Quality of Service, Organizational Goals

PROJECT DESCRIPTION:
Main and valve adjustments to move the boundary between the Highland No. 2 and Allentown Pressure Districts.

PROJECT JUSTIFICATION:
Areas within the Highland No. 2 pressure district that are near the Allentown pressure district could have increased pressure by moving the pressure zone boundary through main improvements and valve adjustments.

RISK(S):
Existing services are near or below minimum standards (20 psi).

IMPACT ON OPERATIONS:
Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$79,393	\$532,780	\$953,827	\$1,566,000	

Water Distribution System

Unmetered and Flat Rate Properties

PROJECT NUMBER: 2021-325-103-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Regulatory Compliance, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Metering unmetered and flat rate properties as required by regulations.

PROJECT JUSTIFICATION:

Required per the PUC regulations. The impact of not installing meters is the loss of revenue and lack of ability to accurately estimate water loss in the system.

RISK(S):

Failure to comply with PUC regulations and the potential of lost revenue.

IMPACT ON OPERATIONS:

Increased system reliability, reliability, and improved system management.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$327,250	\$635,250	\$0	\$0	\$0	\$962,500	

Water Distribution System

Urgent Lead Service Line Replacement

PROJECT NUMBER: 2021-325-112-0, 2023-200-107-0, 2024-200-103-0, 2025-200-108-0, 2026-200-103-0, 2027-200-102-0

DSIC Eligible: Yes

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

This project involves the private side Lead Service Line Replacements (LSLR) associated with operations public side replacements. It includes provisions for some full line replacements when operations requests both sides be completed due to their workload or other factors.

PROJECT JUSTIFICATION:

Compliance with the Lead Infrastructure Plan approved by the PUC. PUC requires termination if a private side lead service line is not replaced the same time the public service line is replaced. Not completing this project would lead to water service terminations.

RISK(S):

Required to terminate service if property owners do not replace their private side lead service lines after operations replaces a public side service line.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability and water quality.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$1,778,654	\$1,749,194	\$1,670,086	\$1,590,751	\$1,246,677	\$8,035,362	
2022 Urgent Lead Service Line Replacement	\$762,720	\$0	\$0	\$0	\$0	\$762,720	DSIC - Water
2023 Urgent Lead Service Line Replacement	\$1,015,934	\$721,566	\$0	\$0	\$0	\$1,737,500	
2024 Urgent Lead Service Line Replacement	\$0	\$1,027,628	\$729,872	\$0	\$0	\$1,757,500	
2025 Urgent Lead Service Line Replacement	\$0	\$0	940,214	\$667,786	\$0	\$1,578,500	
2026 Urgent Lead Service Line Replacement	\$0	\$0	\$0	\$922,965	\$655,535	\$1,578,500	
2027 Urgent Lead Service Line Replacement	\$0	\$0	\$0	\$0	591,142	\$591,142	

Water Distribution System

Valve Replacement Program

PROJECT NUMBER: 2021-325-113-0, 2023-200-108-0, 2024-200-104-0, 2025-200-109-0, 2026-200-104-0, 2027-200-103-0

DSIC Eligible: Yes

PHASE: Construction / Not Started
PRIORITY: Safety, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: Replacement of defective or non-operational valves on transmission and distribution mains throughout the water distribution system, excluding valves replaced during waterline relays.
PROJECT JUSTIFICATION: Increasing the number of operable valves in the system will reduce the number of valves that would need to be closed during emergency conditions, and therefore the number of customers that may be impacted.
RISK(S): A larger number of customers may be subject to service outages.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$2,505,485	\$2,800,000	\$2,674,359	\$2,800,000	\$2,925,641	\$13,705,485	
2021 Valve Replacement	\$150,000	\$0	\$0	\$0	\$0	\$150,000	DSIC - Water
2022 Valve Replacement	\$722,152	\$0	\$0	\$0	\$0	\$722,152	
2023 Valve Replacement	\$1,633,333	\$1,166,667	\$0	\$0	\$0	\$2,800,000	
2024 Valve Replacement	\$0	\$1,633,333	\$1,166,667	\$0	\$0	\$2,800,000	
2025 Valve Replacement	\$0	\$0	\$1,507,692	\$1,292,308	\$0	\$2,800,000	
2026 Valve Replacement	\$0	\$0	\$0	\$1,507,692	\$1,292,308	\$2,800,000	
2027 Valve Replacement	\$0	\$0	\$0	\$0	\$1,633,333	\$1,633,333	

Water Distribution System

Water and Wastewater Safety and Security Improvements

PROJECT NUMBER: 2022-325-101-0

DSIC Eligible: No

PHASE:
Construction / Not Started

PRIORITY:
Safety, Operating Efficiency

PROJECT DESCRIPTION:
Safety and security improvements throughout PWSA facilities.

PROJECT JUSTIFICATION:
Failure to implement safety and security measures will increase the likelihood of a security breach causing harm to PWSA employees and customers.

RISK(S):
Security breaches.

IMPACT ON OPERATIONS:
Increased safety and security at all PWSA facilities.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,567,547	\$0	\$0	\$0	\$0	\$1,567,547	

Water Distribution System

Water and Wastewater Safety and Security Improvements (Pennvest)

PROJECT NUMBER: 2023-200-109-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency

PROJECT DESCRIPTION:

Safety and security improvements throughout PWSA facilities.

PROJECT JUSTIFICATION:

Failure to implement safety and security measures will increase the likelihood of a security breach causing harm to PWSA employees and customers.

RISK(S):

Security breaches.

IMPACT ON OPERATIONS:

Increased safety and security at all PWSA facilities.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$9,978,156	\$0	\$0	\$0	\$0	\$9,978,156	PENNVEST

Water Distribution System

Water Relay Program

PROJECT NUMBER: 2021-325-110-0, 2023-200-110-0, 2024-200-105-0, 2025-200-110-0, 2026-200-105-0, 2027-200-104-0

DSIC Eligible: Yes

PHASE: Construction
PRIORITY: Safety, Operating Efficiency, Quality of Service
PROJECT DESCRIPTION: Replacement of existing water mains, valves, fittings, service connections, and hydrants due to emergency situations.
PROJECT JUSTIFICATION: The existing water distribution system is aging and updates are required to address failures that could be significant public safety hazards.
RISK(S): Customers will be subject to service outages or inadequate pressure.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
	\$2,145,000	\$2,150,000	\$2,712,308	\$3,254,769	\$3,440,141	\$13,702,218	
2022 Water Relay	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000	
2023 Water Relay	\$645,000	\$1,290,000	\$0	\$0	\$0	\$1,935,000	
2024 Water Relay	\$0	\$860,000	\$1,720,000	\$0	\$0	\$2,580,000	
2025 Water Relay	\$0	\$0	\$992,308	\$2,232,692	\$0	\$3,225,000	
2026 Water Relay	\$0	\$0	\$0	\$1,022,077	\$2,299,673	\$3,321,750	
2027 Water Relay	\$0	\$0	\$0	\$0	\$1,140,468	\$1,140,468	

Water Distribution System

Water Distribution Contingency

PROJECT NUMBER: 2023-200-111-0

DSIC Eligible: No

PHASE:
Not Applicable

PRIORITY:
Not Applicable

PROJECT DESCRIPTION:
Water Distribution System contingency pass-through project.

PROJECT JUSTIFICATION:
Improved efficiency of capital improvement plan fund management.

RISK(S):
No identified risks.

IMPACT ON OPERATIONS:
Improved efficiency of capital improvement plan management.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	



Wastewater System



Wastewater System

31st Ward Pump Station and Appurtenances - Phase 2

PROJECT NUMBER: 2022-424-108-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,
PROJECT DESCRIPTION: Evaluation to identify and locate the source(s) of the infiltration and inflow (I/I), removal of public I/I sources, and rehabilitation/replacement of the Rogers Street and Mifflin Road Pump Station and force main.
PROJECT JUSTIFICATION: Both sewage pump stations and the force main that convey flow to the Streets Run Sanitary Trunk Sewer were constructed in the late 1940's and are reaching the end of their useful life. Additionally, past studies suggest this sewershed may be significantly impacted by high levels of infiltration/inflow.
RISK(S): Increased combined sewer overflows and pump station system failures.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$958,333	\$726,667	\$613,667	\$7,447,000	\$7,447,000	\$17,192,667	

Wastewater System

6122 and 6150 Mifflin Road Demolition

PROJECT NUMBER: 2022-424-104-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Safety, Quality of Service
PROJECT DESCRIPTION: This project associated with 31st Ward Pump Station and Appurtenances - Phase 2 - providing for the demolition of 6122 and 6150 Mifflin Road.
PROJECT JUSTIFICATION: This project is essential to the completion of the 31st Ward Pump Station and Appurtenances project.
RISK(S): Decreased ability to complete existing projects.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$50,000	\$0	\$0	\$0	\$0	\$50,000	

Wastewater System

Browns Hill Road Sewer Pump Station Replacement

PROJECT NUMBER: 2022-424-109-0

DSIC Eligible: No

PHASE: Planning
PRIORITY: Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,
PROJECT DESCRIPTION: Construction of a replacement 160 GPM sanitary sewer pump station, including standby power, safer ingress and egress for routine maintenance, a water supply for equipment wash down and odor control facilities, if required. Additionally, perform a condition assessment of the 4" force main (approx. 790 l.f.) constructed in 2007, but not utilized and confirm sanitary sewer separation occurred. Additional sewer separation may need to occur prior to modifying the existing diversion chamber.
PROJECT JUSTIFICATION: The existing sanitary sewer pump station has reached the end of its useful life. The replacement station will provide increased operating efficiency and resiliency and improved safety conditions for staff.
RISK(S): If the station is not replaced, pump or wet well failures could occur, which would result in sanitary sewer overflows. Sanitary sewer overflows could result in fines and notice of violations from regulating agencies.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$432,000	\$1,608,000	\$1,880,000	\$0	\$0	\$3,920,000	

Wastewater System

Large Diameter Sewer Rehabilitation Program

PROJECT NUMBER: 2020-424-101-0, 2020-424-107-0, 2021-424-105-0, 2022-424-110-0, 2024-400-100-0, 2025-400-100-0, 2026-400-100-0, 2027-400-100-0

DSIC Eligible: No

PHASE:
Design / Not Started

PRIORITY:
Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:
Proactive, trenchless rehabilitation of 36" diameter or greater sewer mains to restore structural integrity, reduce root intrusion, and reduce infiltration and inflow; including cleaning and pre and post construction CCTV inspections.

PROJECT JUSTIFICATION:
Provides the Authority with a means to address several moderate/major structural defects in pipe segments prior to complete failure. This trenchless pipe renewal method renews the asset, eliminates disruptive excavation, and is more cost effective than replacement.

RISK(S):
If moderate/major structural defects are not proactively addressed, complete failure will eventually occur and excavation will be required. Any complete failure that occurs will result in dramatically increased expenditures for repair.

IMPACT ON OPERATIONS:
Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$12,774,486	\$2,997,238	\$4,266,000	\$4,897,000	\$4,957,000	\$29,891,724	
2020 Large Diameter Sewer Rehabilitation	\$623,290	\$0	\$0	\$0	\$0	\$623,290	Debt (Revenue Bonds) / DSIC – Wastewater
2021 Large Diameter Sewer Rehabilitation	\$7,136,911	\$0	\$0	\$0	\$0	\$7,136,911	
2022 Large Diameter Sewer Rehabilitation	\$4,536,190	\$522,000	\$0	\$0	\$0	\$5,058,190	
2023 Large Diameter Sewer Rehabilitation	\$478,095	\$1,935,238	\$0	\$0	\$0	\$2,413,333	
2024 Large Diameter Sewer Rehabilitation	\$0	\$540,000	\$3,706,000	\$414,000	\$0	\$4,660,000	
2025 Large Diameter Sewer Rehabilitation	\$0	\$0	\$560,000	\$3,903,000	\$437,000	\$4,900,000	
2026 Large Diameter Sewer Rehabilitation	\$0	\$0	\$0	\$580,000	\$4,100,000	\$4,680,000	
2027 Large Diameter Sewer Rehabilitation	\$0	\$0	\$0	\$0	\$420,000	\$420,000	

Wastewater System

M-29 Outfall Improvements

PROJECT NUMBER: 2018-424-103-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Quality of Service

PROJECT DESCRIPTION:

Modifying diversion chamber, rehabilitating culvert, constructing an endwall, and installing flapgate associated with the M-29 outfall structure.

PROJECT JUSTIFICATION:

The M-29 outfall structure is critical infrastructure that has been in jeopardy of failing for several years due to significant structural defects in the existing culvert.

RISK(S):

Project close-out phase. The M-29 outfall structure could have failed if not addressed through this project.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$250,000	\$0	\$0	\$0	\$0	\$250,000	

Wastewater System

Maytide Storm and Sanitary Sewer System Improvements

PROJECT NUMBER: 2017-424-109-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Reconstruction of storm infrastructure from Merritt Avenue to the storm interceptor on Ravilla Avenue and the realignment of the 10" sanitary sewer on Maytide (Sanderson to Valline).

PROJECT JUSTIFICATION:

Localized property and street flooding has been well-documented for several years at this location and the undeveloped right-of-way of Sanderson has significantly deteriorated. Additionally, an inspection of the 10" sanitary sewer on Maytide Street revealed structural and construction defects.

RISK(S):

Continual degradation to a steep slope could result in property damage and an increased cost to stabilize.

IMPACT ON OPERATIONS:

Increased operating reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$118,027	\$4,026,497	\$1,957,785	\$0	\$0	\$6,102,309	

Wastewater System

Queenston Sewer Improvements

PROJECT NUMBER: 2019-424-103-2

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Quality of Service

PROJECT DESCRIPTION:

Removal of a combined sewer diversion chamber and installation of new sewer infrastructure, which will result in the separation of the sewershed.

PROJECT JUSTIFICATION:

The existing sewer infrastructure (both storm and sanitary) have significant structural defects, which are located under a large structure in a paper street over 40 feet deep.

RISK(S):

The existing sewer infrastructure (both storm and sanitary) have significant structural defects, which if not mitigated, could result in property damage and increased costs.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$2,210,550	\$243,203	\$0	\$0	\$0	\$2,453,753	

Wastewater System

Sewer Reconstruction Program

PROJECT NUMBER: 2022-424-100-0, 2023-400-100-0, 2024-400-101-0, 2025-400-101-0, 2026-400-101-0, 2027-400-101-0

DSIC Eligible: Yes

PHASE: Construction / Not Started
PRIORITY: Regulatory Compliance, Safety, Quality of Service
PROJECT DESCRIPTION: Reconstruction of existing sewers, manholes, catch basins, and inlets due to emergency situations or pipe failures.
PROJECT JUSTIFICATION: The existing sewer system is aging and immediate repairs are required.
RISK(S): The Authority may be subject to related fines due to sewer overflows or for non-compliance as outlined in the Consent Order and Agreement.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
Program Year	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$2,691,769	\$1,810,000	\$1,810,000	\$1,886,458	\$2,701,330	\$10,899,557	
2021 Sewer Reconstruction	\$200,000	\$0	\$0	\$0	\$0	\$200,000	Debt (Revenue Bonds) / DSIC – Wastewater
2022 Sewer Reconstruction	\$1,456,849	\$0	\$0	\$0	\$0	\$1,456,849	
2023 Sewer Reconstruction	\$1,034,920	\$775,080	\$0	\$0	\$0	\$1,810,000	
2024 Sewer Reconstruction	\$0	\$1,034,920	\$775,080	\$0	\$0	\$1,810,000	
2025 Sewer Reconstruction	\$0	\$0	\$1,034,920	\$775,080	\$775,080	\$2,585,080	
2026 Sewer Reconstruction	\$0	\$0	\$0	\$1,111,378	\$833,622	\$1,945,000	
2027 Sewer Reconstruction	\$0	\$0	\$0	\$0	\$1,092,628	\$1,092,628	

Wastewater System

Sewers Under Structures Program

PROJECT NUMBER: 2017-424-110-0,
2020-424-104-0 / 1,
2022-424-107-0, 2023-400-101-0, 2024-400-102-0, 2025-400-102-0, 2026-400-102-0, 2027-400-102-0
DSIC eligible No

PHASE: Design / Not Started
PRIORITY: Regulatory Compliance, Safety, Quality of Service
PROJECT DESCRIPTION: Rehabilitation, relocation, and abandonment, if applicable, of existing sewer infrastructure located under or adjacent to buildings, bridges, or railroads or located on steep slopes.
PROJECT JUSTIFICATION: In recent years, there has been an increasing rate of failure of this asset type due to limited accessibility and pipe age. By maintaining a proactive approach to asset management, efforts can be directed towards remedying assets before their failure, thus saving in overall replacement cost.
RISK(S): Failure of this asset type could result in increased replacement cost, and increased service outages or bypass pumping.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
<u>Program Year</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$6,786,030	\$2,373,663	\$2,422,730	\$3,530,383	\$3,386,507	\$18,499,314	
2018 Sewers Under Structures	\$1,030,897	\$1,300,707	\$0	\$0	\$0	\$2,331,604	Debt (Revenue Bonds) / DSIC – Wastewater
2020 Sewers Under Structures	\$5,480,280	\$672,368	\$0	\$0	\$0	\$6,152,648	
2022 Sewers Under Structures	\$226,103	\$117,647	\$2,028,730	\$831,270	\$0	\$3,203,750	
2023 Sewers Under Structures	\$48,750	\$234,191	\$111,059	\$2,303,238	\$672,762	\$3,370,000	
2024 Sewers Under Structures	\$0	\$48,750	\$234,191	\$111,059	\$2,303,238	\$2,697,238	
2025 Sewers Under Structures	\$0	\$0	\$48,750	\$234,191	\$111,059	\$394,000	
2026 Sewers Under Structures	\$0	\$0	\$0	\$50,625	\$243,199	\$293,824	
2027 Sewers Under Structures	\$0	\$0	\$0	\$0	\$56,250	\$56,250	

Wastewater System

Small Diameter Sewer Rehabilitation Program

PROJECT NUMBER: 2020-424-108-0, 2020-424-106-0 / 1 / 2, 2021-424-101-0 / 1/ 2, 2021-424-108-0/ 1/ 2/ 3, 2024-400-103-0, 2025-400-102-0, 2026-400-103-0, 2027-400-103-0, Unidentified

DSIC Eligible: Yes

PHASE:
Design, Construction, Not Started

PRIORITY:
Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:
Proactive, trenchless rehabilitation of sewer mains (36" diameter and less) to restore structural integrity, reduce root intrusion, and reduce infiltration and inflow; including cleaning and pre and post construction CCTV inspections.

PROJECT JUSTIFICATION:
Provides the Authority with a means to address several moderate/major structural defects in pipe segments prior to complete failure. This trenchless pipe renewal method renews the asset, eliminates disruptive excavation, and is more cost effective than replacement.

RISK(S):
If moderate/major structural defects are not proactively addressed, complete failure will eventually occur and excavation will be required. Any complete failure that occurs will result in dramatically increased expenditures for repair.

IMPACT ON OPERATIONS:
Increased operating flexibility and reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
<u>Program Year</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
	\$24,363,045	\$17,657,219	\$14,629,597	\$27,990,468	\$36,426,240	\$121,066,569	
2020 Small Diameter Sewer Rehabilitation Contract 2 Defined Sites	\$731,123	\$0	\$0	\$0	\$0	\$731,123	Debt (Revenue Bonds) / PENNVEST
2021 Small Diameter Rehabilitation	\$1,928,755	\$0	\$0	\$0	\$0	\$1,928,755	
2022 Small Diameter Rehabilitation	\$7,469,189	\$0	\$0	\$0	\$0	\$7,469,189	
2023 Small Diameter Rehabilitation	\$11,723,978	\$5,736,816	\$0	\$0	\$0	\$17,460,794	
2024 Small Diameter Rehabilitation	\$2,510,000	\$11,920,403	\$9,339,597	\$0	\$0	\$23,770,000	
2025 Small Diameter Rehabilitation	\$0	\$0	\$2,590,000	\$12,236,474	\$9,583,526	\$24,410,000	
2026 Small Diameter Rehabilitation	\$0	\$0	\$2,700,000	\$12,813,994	\$10,046,006	\$25,560,000	
2027 Small Diameter Rehabilitation	\$0	\$0	\$0	\$2,940,000	\$13,796,708	\$16,736,708	
2028 Small Diameter Rehabilitation	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000	

Wastewater System

Wastewater Contingency

PROJECT NUMBER: 2023-400-102-0

DSIC Eligible: No

PHASE:

Not Applicable

PRIORITY:

Not Applicable

PROJECT DESCRIPTION:

Wastewater contingency pass-through project.

PROJECT JUSTIFICATION:

Improved efficiency of capital improvement plan fund management.

RISK(S):

No identified risks.

IMPACT ON OPERATIONS:

Improved efficiency of capital improvement plan management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	



Stormwater



Stormwater System

Braywood Stormwater Improvements

PROJECT NUMBER: 2022-424-105-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service,

PROJECT DESCRIPTION:

Stormwater detention system in the right-of-way in and around Braywood Way to increase stormwater control and mitigate flooding experienced by residents. Infrastructure could include permeable pavement, bioswales, subsurface detention, etc. depending on design determinations. This project is subject to a cost share between the Pittsburgh Water and Sewer Authority and City of Pittsburgh.

PROJECT JUSTIFICATION:

There's a low point on Braywood Way that experiences persistent, severe flooding. This system is undersized and deteriorating, keeping up with minor precipitation events but the majority cause flooding.

RISK(S):

Risks associated with not completing this project include poor level of service.

IMPACT ON OPERATIONS:

This project would decrease the need for persistent catch basin cleaning in this location.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$434,625	\$439,375	\$0	\$0	\$0	\$874,000	

Stormwater System

Bus Rapid Transit Phase 2

PROJECT NUMBER: 2023-500-100-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Safety, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

The betterments in phase 2 currently includes the stormwater/green infrastructure (GI) improvements in the Uptown Neighborhood.

PROJECT JUSTIFICATION:

The construction of the BRT Project requires that certain facilities owned and/or operated by PWSA be removed, replaced, and/or relocated.

RISK(S):

Could result in PWSA being 100% responsible for the removal, replacement, and/or relocation of certain facilities owned and/or operated by PWSA.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$0	\$500,000	\$500,000	\$500,000	\$0	\$1,500,000	Debt (Revenue Bonds)

Stormwater System

Bus Rapid Transit Stormwater Infrastructure Improvements

PROJECT NUMBER: 2020-GI-100-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

A cost share with the City of Pittsburgh's Department of Mobility and Infrastructure on the redesign of Forbes Avenue and Fifth Avenue to accommodate bus rapid transit from downtown to Birmingham Bridge. This project will include the installation of permeable paving, underground storage, and bioretention plantings and is tributary to the M-05 and M-19 outfall.

PROJECT JUSTIFICATION:

This project will help slow or reduce runoff into the combined sewer system during wet weather events.

RISK(S):

Wet weather flow may continue to flow into the combined sewer system prior to the completion of the project, which could cause issues during wet weather events.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	<u>Debt (Revenue Bonds)</u>
Annual Allocation	\$71,382	\$785,634	\$703,638	\$0	\$0	\$1,560,654	

Stormwater System

Catch Basin and Inlet Replacement Program

PROJECT NUMBER: 2020-424-107-0, 2020-424-106-0/ 1/ 2,
2021-424-107-0, 2022-424-106-0, 2024-500-100-0, 2025-500-100-0, 2026-500-100-0, 2027-
500-100-0, Unidentified

DSIC Eligible: No

PHASE:

Construction / Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Strategic replacement of catch basins and storm inlets throughout the system to replace failed units, stormwater control reliability, and minimize disturbance to the community.

PROJECT JUSTIFICATION:

By maintaining a proactive approach to asset management, efforts can be directed towards remedying assets before their failure, thus saving in overall replacement cost.

RISK(S):

Overland and street flooding could occur due to a defective or undersized catch basin or storm inlet, creating a public health and safety hazard during wet weather events.

IMPACT ON OPERATIONS:

Increased operating reliability.

	<u>CASH FLOW SUMMARY</u>						<u>FUNDING SOURCE(S)</u>
<u>Program</u> <u>Year</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	PENNVEST /Debt (Revenue Bonds)
	\$11,539,877	\$16,007,303	\$14,436,109	\$14,867,221	\$15,308,750	\$72,159,260	
2022 Catch Basin and Inlet Replacement	\$2,803,513	\$0	\$0	\$0	\$0	\$2,803,513	
2023 Catch Basin and Inlet Replacement	\$8,736,364	\$4,963,636	\$0	\$0	\$0	\$13,700,000	
2024 Catch Basin and Inlet Replacement	\$0	\$11,043,667	\$3,067,333	\$0	\$0	\$14,111,000	
2025 Catch Basin and Inlet Replacement	\$0	\$0	\$11,368,776	\$3,165,554	\$0	\$14,534,330	
2026 Catch Basin and Inlet Replacement	\$0	\$0	\$0	\$11,701,667	\$3,248,333	\$14,950,000	
2027 Catch Basin and Inlet Replacement	\$0	\$0	\$0	\$0	\$12,060,417	\$12,060,417	

Stormwater System

Dragoon Way Stormwater Improvements

PROJECT NUMBER: 2020-424-103-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

This would involve upsizing stormwater infrastructure as well as road paving on Dragoon Way. This project is subject to a cost share between the Pittsburgh Water and Sewer Authority and City of Pittsburgh.

PROJECT JUSTIFICATION:

This area experiences significant roadway and property flooding. Runoff flows down Dragoon Way and through multiple Adelphia Street properties, flooding Adelphia Street. PWSA currently owns stormwater infrastructure on Adelphia Street that is undersized and deteriorating.

RISK(S):

Risks associated with not completing this project include poor level of service.

IMPACT ON OPERATIONS:

Reduced need for catch basin cleaning after significant precipitation events.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$983,000	\$95,625	\$0	\$0	\$0	\$1,078,625	Debt (Revenue Bonds)

Stormwater System

Fleury Way Stormwater Infrastructure Improvements

PROJECT NUMBER: 2021-424-102-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Construction of storm sewer infrastructure to address persistent and severe street flooding and roadway damage. Project will include installing approximately 500 ft of 18" storm sewers and 4 new catch basins as well as inverting the crown of the road and adding proper curbing for optimal drainage. This project is subject to a cost share between the Pittsburgh Water and Sewer Authority and City of Pittsburgh.

PROJECT JUSTIFICATION:

After field assessment and review, the stormwater group ranked this issue as a "high priority" because of the severity of road degradation and persistent street flooding caused by lack of stormwater infrastructure and improper road design. This issue is located in the A-42 Green First sewershed.

RISK(S):

Continued road degradation and persistent flooding.

IMPACT ON OPERATIONS:

4 additional inlets, operations will need to be added to the cleaning schedule.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$476,212	\$0	\$0	\$0	\$0	\$476,212	Debt (Revenue Bonds)

Stormwater System

Four Mile Run Stormwater Infrastructure Improvements

PROJECT NUMBER: 2018-GI-102-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Sewer separation, stream restoration, stream daylighting, bioretention, and underground storage to remove the existing stream base and wet weather flow currently discharging into the combined sewer located in M-29.

PROJECT JUSTIFICATION:

This project will separate wet weather flow being directly discharged into the Authority's combined sewer system.

RISK(S):

Wet weather flow may continue to flow into the combined sewer system prior to the completion of the project, which could create issues during wet weather events.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$645,557	\$4,500,108	\$8,723,924	\$6,171,203	\$0	\$20,040,792	Debt (Revenue Bonds)

Stormwater System

Haverhill Street Improvements Project

PROJECT NUMBER: 2022-424-102-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

This project will capture and redirect an existing nuisance groundwater seep into retention/slow release subsurface infrastructure, either in the form of a perforated pipe and gravel bed or a retention tank. The project will also involve landslide stabilization to prevent current persistent sediment accumulation in the downstream sewer and green infrastructure as well as associated roadway restoration. This project is subject to a cost share between the Pittsburgh Water and Sewer Authority and City of Pittsburgh.

PROJECT JUSTIFICATION:

There is currently an unmanaged groundwater seep flowing down Haverhill Street, flooding properties, depositing significant amounts of sediment into PWSA's sewer system and a PWSA green infrastructure site (Oakwood and Batavia). This project would decrease private property flooding, reduce the amount of sediment entering the sewer system, save PWSA maintenance costs involved with removing sediment from nearby catch basins and green infrastructure and stop continued green infrastructure system degradation caused by this seep.

RISK(S):

Risk of persistent depositing of sediment into PWSA's sewer system.

IMPACT ON OPERATIONS:

This would decrease maintenance needs for both the green infrastructure maintenance contract as well as the catch basin cleaning contract.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$1,003,900	\$104,500	\$0	\$0	\$0	\$1,108,400	Debt (Revenue Bonds)

Stormwater System

Lawn and Ophelia

PROJECT NUMBER: 2017-424-104-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Regulatory Compliance, Organizational Goals

PROJECT DESCRIPTION:

Project is located in the South Oakland neighborhood in the City of Pittsburgh and is a tributary to the M-19B outfall. This project is intended to be a community gathering space combined with stormwater management features.

PROJECT JUSTIFICATION:

It is anticipated that 1.9 impervious acres from neighboring roads and roofs can be managed.

RISK(S):

Risk of service disruption.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$203,741	\$0	\$0	\$0	\$0	\$203,741	Debt (Revenue Bonds)

Stormwater System

Martin Luther King Field Stormwater Infrastructure Improvements

PROJECT NUMBER: 2019-GI-104-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Installation of regenerative bioswale and underground detention facilities to capture and detain impervious acres from the adjacent streets and upstream separate storm sewers, which currently discharges into the combined sewer located in M-19.

PROJECT JUSTIFICATION:

This project will help slow or reduce runoff into the combined sewer system during wet weather events.

RISK(S):

Wet weather flow may continue to flow into the combined sewer system prior to the completion of the project, which could cause issues during wet weather events.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$3,096,867	\$1,324,108	\$0	\$0	\$0	\$4,420,975	

Stormwater System

Maryland Avenue Stormwater Infrastructure Improvements

PROJECT NUMBER: 2017-424-101-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Permeable paver based GSI project to manage approximately 5.3 acres of impervious acres for 1.5" runoff event.

PROJECT JUSTIFICATION:

The project purpose is to reduce combined sewer overflows at the downstream A-22 outfall while also improving performance of the local combined sewer system that has experienced surcharge and flooding during intense rain events in downstream areas of Shadyside.

RISK(S):

Risk of flooding and service disruption.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$6,925	\$0	\$0	\$0	\$0	\$6,925	Debt (Revenue Bonds)

Stormwater System

MS4 Permit PRP Plan Sediment Reduction Project

PROJECT NUMBER: 2023-500-101-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Pollutant Reduction Plan (PRP) project to reduce sediment and phosphate levels from entering designated impaired streams per the MS4 permit.

PROJECT JUSTIFICATION:

The MS4 permit requires a reduction of sediment and phosphate loading from baseline levels.

RISK(S):

Failure to meet future regulatory requirements.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$173,000	\$605,000	\$307,500	\$0	\$0	\$1,085,500	Debt (Revenue Bonds)

Stormwater System

Saw Mill Run Municipal Separate Storm Sewer System Compliance

PROJECT NUMBER: 2025-500-101-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

Identifying and completing projects related to Municipal Separate Storm Sewer System (MS4) compliance.

PROJECT JUSTIFICATION:

This project is necessary to become compliant with MS4 regulatory requirements.

RISK(S):

The timeline to complete the MS4 compliance projects could take longer than expected.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$0	\$0	\$500,000	\$1,500,000	\$1,500,000	\$3,500,000	Debt (Revenue Bonds)

Stormwater System

Saw Mill Run Watershed Improvements

PROJECT NUMBER: 2020-424-109-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Implementation of stormwater treatment and reconnection of streams to vegetated floodplains to help mitigate stormwater peak flows and reduce sediment and other pollutant loads. This project will demonstrate the effectiveness of green infrastructure in reducing pollutants, controlling CSO/SSOs, and restoring the health of the aquatic ecosystems in the Saw Mill Run watershed to comply with regulatory obligations.

PROJECT JUSTIFICATION:

This project will help to comply with regulatory obligations by reducing pollutants and controlling CSO/SSOs.

RISK(S):

It may be difficult to comply with certain regulatory obligations prior to the completion of the project.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$850,000	\$150,000	\$0	\$0	\$0	\$1,000,000	Debt (Revenue Bonds)

Stormwater System

Southside Flats Sewer Separation

PROJECT NUMBER: 2021-424-106-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Separation of 17 acres of combined sewer through the construction of storm drain along Wharton Street to 18th Street.

PROJECT JUSTIFICATION:

This project will help slow or reduce runoff into the combined sewer system during wet weather events.

RISK(S):

Community members are concerned about disruptions during construction and potential rooftop disconnect costs.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$3,327,529	\$2,232,587	\$0	\$0	\$0	\$5,560,116	Debt (Revenue Bonds)

Stormwater System

Southside Stormwater Infrastructure Improvements

PROJECT NUMBER: 2019-GI-100-0

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

The Southside Green / Stormwater project is located in the M-16 sewershed, which discharges approximately 103MG of CSOs in a typical year as it is defined in the current system model. Additionally, there are 15 known surface streams/seeps within the park that appear to connect into the combined sewer system. The project will focus on stormwater management source control opportunities within Southside Park. The project will look at separating the stormwater runoff from the park and road right-of-way areas. It will connect through a new storm sewer discharge to be built under South 21st Street to the Monongahela River. The project will detain and slowly return the stormwater runoff to the combined sewer system.

PROJECT JUSTIFICATION:

This project will help comply with regulatory requirements by reducing CSOs.

RISK(S):

It may be difficult to comply with certain regulatory obligations prior to the completion of the project.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$2,029,140	\$2,703,667	\$0	\$0	\$0	\$4,732,807	Debt (Revenue Bonds)

Stormwater System

Stewart Avenue Stormwater Infrastructure Project

PROJECT NUMBER: 2022-424-1010

DSIC Eligible: No

PHASE:

Design

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Overland stormwater runoff during larger precipitation events in the Stewart Avenue area contribute to downstream flooding along Saw Mill Run Blvd, flooding of nearby private properties, street flooding, and roadway damage. Catch basins and storm inlets once discharged to an open drainage channel along Stewart Avenue, however this is no longer operational as the road was recently paved and widened, eliminating the channel. Recognizing that the Saw Mill Run stream corridor is overwhelmed during relatively small rainfall events, PWSA desires to evaluate alternatives with an emphasis toward source control measures and other green strategies where peak flows from the Stewart Avenue runoff area can be possibly detained and mitigated. This project is subject to a cost share between the Pittsburgh Water and Sewer Authority and City of Pittsburgh.

PROJECT JUSTIFICATION:

This project is necessary to increase stormwater service and control in the area, which is currently lacking adequate stormwater infrastructure.

RISK(S):

Failing to complete this project will lead to persistent private property and roadway flooding, chronic depreciation of roadway conditions, and continued worsening flooding and impairment of Saw Mill Run.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,400,000	\$1,515,389	\$894,444	\$0	\$0	\$3,809,833	

Stormwater System

Thomas and McPherson Stormwater Infrastructure Improvements

PROJECT NUMBER: 2018-GI-106-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Installation of roadside bioretention features to capture and detain impervious road runoff in the North Point Breeze neighborhood of the City of Pittsburgh, which is a tributary to the A-42 combined sewer outfall.

PROJECT JUSTIFICATION:

This project will help slow or reduce runoff into the combined sewer system during wet weather events.

RISK(S):

Wet weather flow may continue to flow into the combined sewer system prior to the completion of the project, which could in issues during wet weather events.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

**FUNDING
SOURCE(S)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$854,905	\$0	\$0	\$0	\$0	\$854,905	Debt (Revenue Bonds)

Stormwater System

Volunteer's Field Stormwater Infrastructure Improvements

PROJECT NUMBER: 2018-GI-104-0/ 1

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Project is located in the Carrick neighborhood of the City of Pittsburgh and is a tributary to Saw Mill Run. Installation of green infrastructure within the park to reduce sediment and other pollutant loads.

PROJECT JUSTIFICATION:

Required for compliance with the MS4 permit and EPA TMDL requirements. Project will also detain stormwater to reduce downstream flooding in Saw Mill Run.

RISK(S):

It may be difficult to comply with certain regulatory obligations prior to the completion of the project.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$413,125	\$0	\$0	\$0	\$0	\$413,125	Debt (Revenue Bonds)

Stormwater System

Wet Weather Program Projects

PROJECT NUMBER: 2023-500-102-0

DSIC Eligible: No

PHASE:

Not Started

PRIORITY:

Regulatory Compliance, Safety, Operating Efficiency, Quality of Service, Organizational Goals, Social Impact

PROJECT DESCRIPTION:

This project is for improvements to the sewer system facilities to bring combined sewer overflows into compliance with the negotiated consent decree and to remediate sanitary sewer overflows.

PROJECT JUSTIFICATION:

This project is required to ensure PWSA meets regulatory requirements related to wet weather flow being directly discharged into the PWSA's combined sewer system.

RISK(S):

Failure to meet future regulatory requirements.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$500,000	\$2,500,000	\$10,000,000	\$10,000,000	\$10,000,000	\$33,000,000	Debt (Revenue Bonds)

Stormwater System

Wightman Park Phase 2 Project

PROJECT NUMBER: 2017-424-105-0 / 1

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service, Social Impact

PROJECT DESCRIPTION:

Project is located in the Squirrel Hill neighborhood of the City of Pittsburgh and is a tributary to the M-29 outfall. Stormwater management within the park itself as well as the necessary piping or inlet work to direct up to 3.25 impervious acres from the adjacent streets into the park. The Wightman Park project along with future street bioswale projects are expected to increase the impervious acres captured as well as alleviate reported sewer basement backups in the neighborhood around Wightman Park.

PROJECT JUSTIFICATION:

2.24 million gallons of stormwater runoff will be managed through this project in a typical year, producing downstream CSO reduction. The project will also improve the performance of adjacent, downstream sewers through peak flow reduction.

RISK(S):

Risk of fines due to sewer overflows or for non-compliance as outlined in the Consent Order and Agreement.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	<u>Debt (Revenue Bonds)</u>
Annual Allocation	\$182,166	\$0	\$0	\$0	\$0	\$182,166	

Stormwater System

Woodland Road Stormwater Infrastructure Improvements

PROJECT NUMBER: 2018-GI-108-0

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

Bioretention based GSI project to manage approximately 7 acres of impervious acres for 1.5" runoff event. Project location is in A-22 sewershed on the campus of Chatham University adjacent to Woodland Road

PROJECT JUSTIFICATION:

The project purpose is to reduce combined sewer overflows at the downstream A-22 outfall while also improving performance of the local combined sewer system that has experienced surcharge and flooding during intense rain events in downstream areas of Shadyside.

RISK(S):

Risk of service disruption.

IMPACT ON OPERATIONS:

Increased system reliability and improved system management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$245,256	\$0	\$0	\$0	\$0	\$245,256	Debt (Revenue Bonds)

Stormwater System

Woods Run Stream Removal Stormwater Infrastructure Improvements

PROJECT NUMBER: 2017-424-108-0 / 1

DSIC Eligible: No

PHASE:

Construction

PRIORITY:

Safety, Operating Efficiency, Quality of Service

PROJECT DESCRIPTION:

This project will redirect an existing stream inflow location into a detain and slow release subsurface storage facility. The stream base and wet weather flow currently discharge directly into a 36" diameter combined sewer on Mairdale Avenue.

PROJECT JUSTIFICATION:

This project will separate wet weather flow being directly discharged into the PWSA's combined sewer system.

RISK(S):

Wet weather flow may continue to flow into the combined sewer system prior to the completion of the project, which could in issues during wet weather events.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

<u>CASH FLOW SUMMARY</u>							<u>FUNDING SOURCE(S)</u>
	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	Debt (Revenue Bonds)
Annual Allocation	\$1,385,725	\$1,364,127	\$819,206	\$0	\$0	\$3,569,058	

Stormwater System

Stormwater Contingency

PROJECT NUMBER: 2023-500-103-0

DSIC Eligible: No

PHASE:

Not Applicable

PRIORITY:

Not Applicable

PROJECT DESCRIPTION:

Stormwater contingency pass-through project.

PROJECT JUSTIFICATION:

Improved efficiency of capital improvement plan fund management.

RISK(S):

No identified risks.

IMPACT ON OPERATIONS:

Improved efficiency of capital improvement plan management.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	Debt (Revenue Bonds)



Miscellaneous



Miscellaneous

2023 Capital Project Reclassification

PROJECT NUMBER: 2023-600-100-0
DSIC Eligible: No

PHASE: Not Applicable
PRIORITY: Operating Efficiency, Organizational Goals
PROJECT DESCRIPTION: Annual capital project reclassification project.
PROJECT JUSTIFICATION: This project is required to reclassify operating costs related to urgent water replacements, urgent sewer replacements, and manhole and point repairs.
RISK(S): Failure to fully capitalize PWSA assets.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

CASH FLOW SUMMARY							FUNDING SOURCE(S)
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total	Debt (Revenue Bonds)
Annual Allocation	\$8,639,316	\$0	\$0	\$0	\$0	\$8,639,316	

Miscellaneous

New Headquarters and Operations Facility

PROJECT NUMBER: 2023-600-101-0

DSIC Eligible: No

PHASE:

Planning

PRIORITY:

Operating Efficiency, Quality of Service, Organizational Goals

PROJECT DESCRIPTION:

PWSA is searching for an area to build a new headquarters location that would also include a space for the operations division.

PROJECT JUSTIFICATION:

A new location would provide additional space that is needed as a result of increased operations.

RISK(S):

Increased operational challenges.

IMPACT ON OPERATIONS:

Increased operating flexibility and reliability.

CASH FLOW SUMMARY

FUNDING
SOURCE(S)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Total</u>	
Annual Allocation	\$2,500,000	\$15,000,000	\$15,000,000	\$32,500,000	\$0	\$50,000,000	Debt (Revenue Bonds)

Miscellaneous

Utility Cost Shares

PROJECT NUMBER: 2023-600-102-0
DSIC Eligible: No

PHASE: Not Started
PRIORITY: Operating Efficiency, Quality of Service, Organizational Goals
PROJECT DESCRIPTION: This project will fund future cost sharing projects.
PROJECT JUSTIFICATION: Cost sharing projects can provide a savings to the Authority.
RISK(S): Cost sharing projects have the potential to be delayed due to coordination issues.
IMPACT ON OPERATIONS: Increased operating flexibility and reliability.

CASH FLOW SUMMARY							FUNDING SOURCE(S)
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total	Debt (Revenue Bonds)
Annual Allocation	\$300,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,300,000	

Miscellaneous

Miscellaneous Contingency

PROJECT NUMBER: 2023-600-103-0
DSIC Eligible: No

PHASE: Not Applicable
PRIORITY: Not Applicable
PROJECT DESCRIPTION: Miscellaneous contingency pass-through project.
PROJECT JUSTIFICATION: Improved efficiency of capital improvement plan fund management.
RISK(S): No identified risks.
IMPACT ON OPERATIONS: Improved efficiency of capital improvement plan management.

CASH FLOW SUMMARY							FUNDING SOURCE(S)
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total	Debt (Revenue Bonds)
Annual Allocation	\$0	\$0	\$0	\$0	\$0	\$0	