



Construction Market Symposium 2024

Presentation to the Constructors Association of Western PA

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Industry Relations Manager

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*Highland Park Membrane Filtration Plant
New Ultraviolet (UV) Reactors*



New Chief Engineering Officer

- Rachael Beam
- Rachael will assume responsibilities for providing strategic and operational leadership, steering the direction, and ensuring the overall effectiveness of PWSA's engineering and construction operations.
- Newly created position
- [Press Release](#)

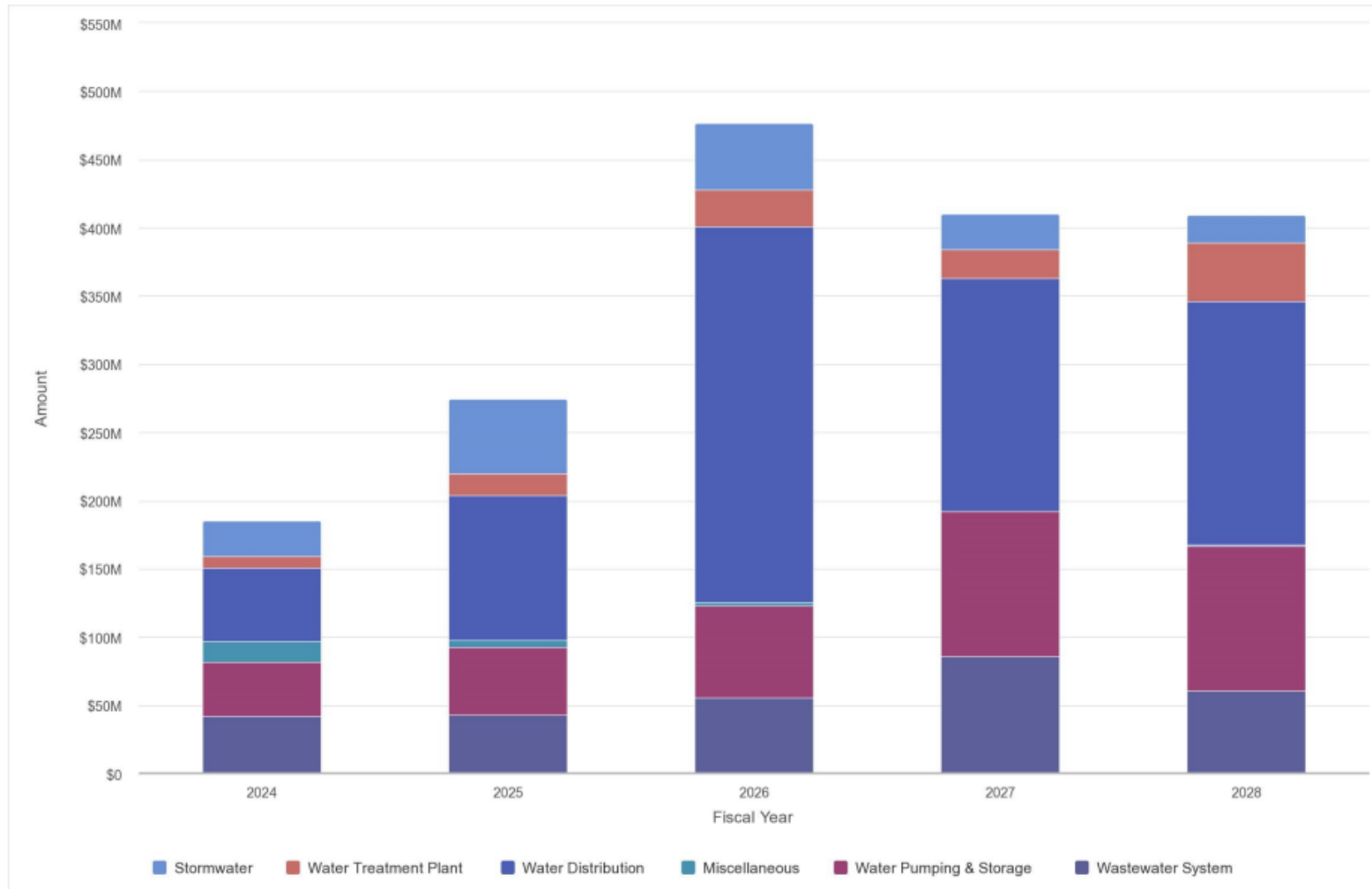


5-Year Capital Improvement Plan


The 2024 - 2028 Capital Improvement Program (CIP) Budget is PWSA's strategic plan to renew our water and sewer systems.

New in 2024: Online Budget Book

Annual Capital Investment



2024 - \$184.5 million
2025 - \$ 273.5 million
2026 - \$476.8 million
2027 - \$410.2 million
2028 - \$408.9 million
Total: \$1.7 billion

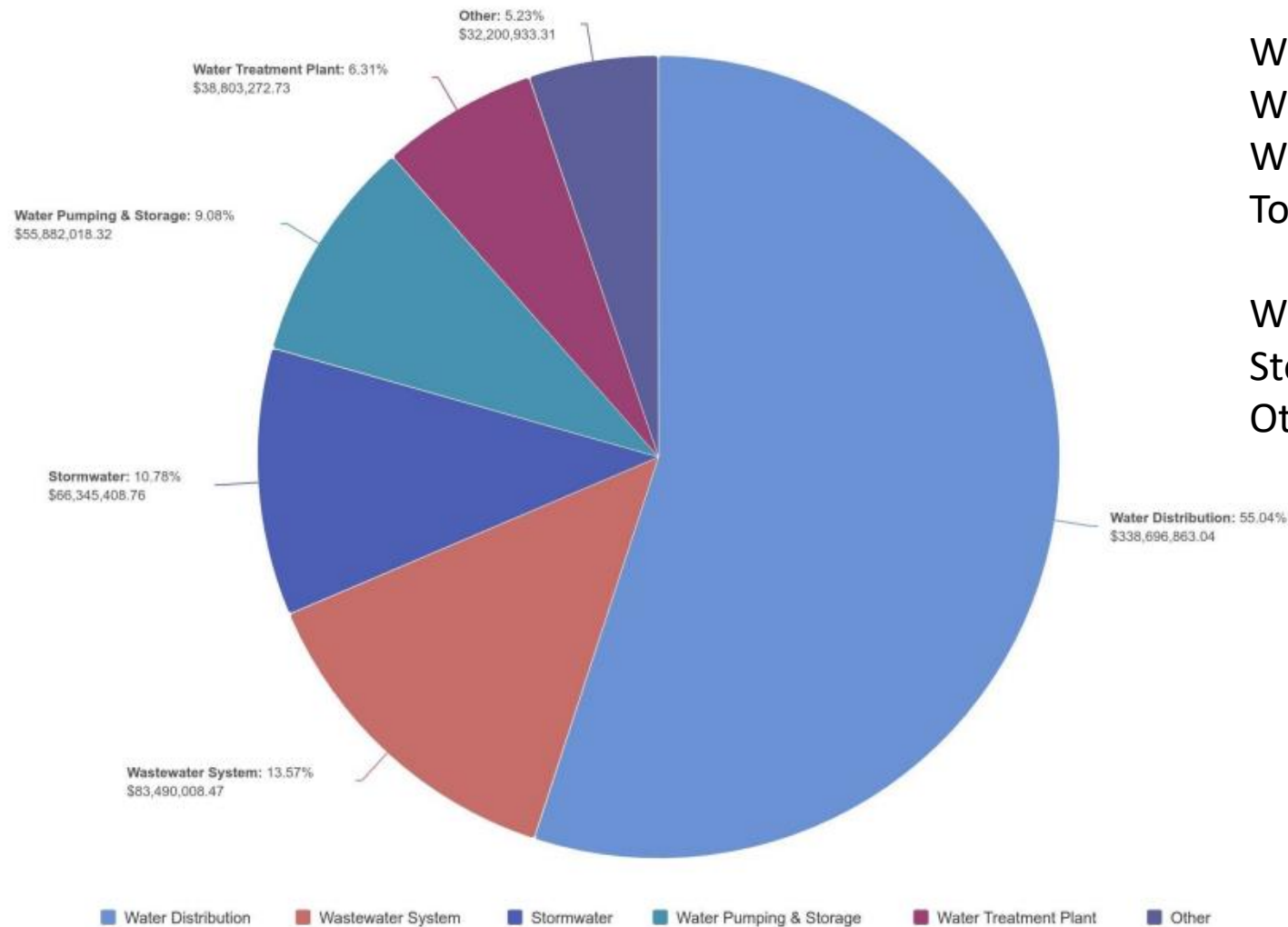


PGH₂O
Project
Types
Summary

PWSA's Capital Improvement Plan is organized into six project classes (types):

- **Water Treatment Plant:**
 - Capital improvements at Water Treatment Plants
- **Water Pumping and Storage:**
 - Pump station, reservoir, and tank related capital improvements
- **Water Distribution:**
 - Water meter, small/intermediate/large water main, lead service line replacement, and water distribution capital improvements
- **Wastewater System:**
 - Small/large diameter sewer rehabilitation, sewer reconstruction, and sewer system capital improvements
- **Stormwater:**
 - Catch basin and green infrastructure capital improvements
- **Other:**
 - Surface restoration, and other capital improvements that do not qualify to be included in the other project classes

2024 - 2028 CIP Summary



Water Distribution – 55%
Water Treatment Plant – 6%
Water Pumping and Storage – 9%
Total – 70%

Wastewater System – 13%
Stormwater – 10%
Other - 5%

Water
Capital
Projects



Upcoming Open RFPs: Design Engineering Water Capital Projects

Project Name	Category	Proposed Date*	Est. Contract Budget**
2024 Small Diameter Water Main Replacement	Water Distribution System	2024 - Q1	\$3,300,000
2024 Large Diameter Main Replacement	Water Distribution System	2024 - Q1	\$3,100,000
Aspinwall and Fox Chapel Interim Feed (<i>Aspinwall Pump Station to Lanpher Reservoir Rising Main Alternative</i>)	Water Distribution System	2024 - Q1/Q3	\$900,000
Aspinwall Water Treatment Plant Raw Water Intakes	Water Treatment Plant	2024 - Q2	\$6,600,000
Clearwell Improvements	Water Treatment Plant	2024 - Q2/Q3	\$6,900,000
Aspinwall Water Treatment Plant Electrical and Backup Power Improvements	Water Treatment Plant	TBD	TBD

* Proposed Date reflects the projected date of RFP release, which is subject to change dependent upon receipt of Permits and/or funding mechanism ultimately achieved (e.g., PennVEST Funding).

** Engineering Services Cost Only – Does not includes costs for Construction Management/Inspection or Construction.

Upcoming Open RFPs: CM/CI Services

Water Capital Projects

Project Name	Category	Proposed Date*	Est. Contract Budget**
2024 Neighborhood Lead Service Line Replacement - Contract A (out for bid now)	Water Distribution System: CM/CI	2024 - Q1	\$3,800,000
2024 Neighborhood Lead Service Line Replacement - Contract B	Water Distribution System: CM/CI	2024 - Q3	\$4,000,000
2023 Small Diameter Water Main Replacement	Water Distribution System: CM/CI	2024 - Q2	\$8,500,000
2024 Small Diameter Water Main Replacement	Water Distribution System: CM/CI	2025 - Q2	\$7,900,000
2024 Large Diameter Main Replacement	Water Distribution System: CM/CI	2024 - Q3	\$2,200,000
Aspinwall Pump Station Improvements, Bruecken Pump Station Improvements, and Clearwell Emergency Response Project (WRP)	Water Pumping & Storage: CM/CI	2024 - Q2/Q3	\$21,300,000
Lime Slurry and Sodium Permanganate System Improvements	Water Treatment Plant: CM/CI	2024-Q2	\$1,200,000

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** Construction Management/Inspection Costs Only – Does not includes costs for Planning, Design or Construction.

Upcoming Open IFBs: Construction Water Distribution Capital Projects

Project Name	Proposed Date*	Project Budget**
2024 Neighborhood Lead Service Line Replacement - Contract A	2024 - Q1	\$26,700,000
2024 Neighborhood Lead Service Line Replacement - Contract B	2024 - Q3	\$28,000,000
2023 Small Diameter Water Main Replacement - 4 Contracts (Contract A1, A2, B1, and B2)	2024 - Q2	\$92,800,000
2024 Water Relay	2024 - Q3	\$2,500,000
2024 Large Diameter Main Replacement (bid open now)	2024 - Q1	\$18,300,000
2024 Valve Replacement	2024 - Q3	\$2,800,000
2024 Urgent Water	2024 - Q1	\$5,400,000

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Upcoming Open IFBs: Construction Water Pumping and Storage, and Water Treatment Plant Capital Projects

Project Name	Proposed Date*	Project Budget**
Lime Slurry and Sodium Permanganate System Improvements	2024 - Q2	\$5,600,000
Aspinwall Pump Station Improvements, Bruecken Pump Station Improvements, and Clearwell Emergency Response Project (WRP)	2024 - Q3/Q4	\$147,500,000
Aspinwall WTP Chemical Unloading Area Improvements and Underground Storage Tank Removal and Replacement	2024 – Q1/Q2	\$810,000

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Wastewater
and
Stormwater
Capital
Projects

Upcoming Open RFPs: CM/CI Services Wastewater and Stormwater Capital Projects

Project Name	Category	Proposed Date*	Est. Contract Budget**
2024 Urgent Sewer (out for bid now)	Wastewater: CM/CI	2024 - Q1	\$1,100,000
31st Ward Pump Station and Appurtenances - Phase 2	Wastewater: CM/CI	2025 - Q1	\$1,650,000
2025 Catch Basin and Inlet Replacement	Stormwater: CM/CI	2024 - Q3	\$1,850,000
Four Mile Run Green Stormwater Infrastructure	Stormwater: CM/CI	2024 - Q3	\$4,800,000

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** Construction Management/Inspection Costs Only – Does not includes costs for Planning, Design or Construction.

Upcoming Open IFBs: Construction Wastewater/Sewer Capital Projects

Project Name*	Proposed Date**	Project Budget***
2024 Small Diameter Sewer Rehabilitation (3 Contracts)	2024-Q2	\$15,900,000
2025 Small Diameter Sewer Rehabilitation IDIQ	2024-Q3	\$3,000,000
2022 Large Diameter Sewer Rehabilitation	2024-Q3	\$4,800,000
2023 Large Diameter Sewer Rehabilitation	2024-Q2	\$2,100,000
2020 Sewers Under Structures (Contract 1-Carrol St. Rebid)	2024-Q1	\$2,300,000
2020 Sewers Under Structures (Contract 2-Flemington St.)	2024-Q2	To Be Determined
2025 Sewer Reconstruction	2024-Q4	\$2,325,000
2025 Manhole Point Repair Contract	2024-Q4	\$2,500,000
Annual IDIQ Urgent Sewer Contracts* (Operating, 2 Contracts)	2024-Q1	\$7,560,000

* Excludes Annual Indefinite Quantity Contracts (except for referenced Urgent Sewer and 2025 Sm. Dia. Sewer Rehab Contracts).

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*** Approx. Construction Costs Only – Does not includes costs for Planning, Design or CM/CI. Costs can be multi-year.

Upcoming Open IFBs: Construction Stormwater/Green Infrastructure Capital Projects

Project Name*	Proposed Date**	Project Budget***
Woods Run Improvements - Mairdale Avenue (Phase II)	2024-Q3	\$2,600,000
Martin Luther King Field Stormwater Infrastructure Improvements	2024-Q2	\$4,000,000
Stewart Avenue Stormwater Infrastructure Project	2024-Q1	\$5,300,000
Braywood Stormwater Improvements	2024-Q1	\$500,000
2025 Catch Basin and Inlet Replacement	2024-Q3	\$13,000,000

* Excludes Annual Indefinite Quantity Contracts.

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Water Reliability Plan Contractor Information Session

Hosted by Pittsburgh Water and Sewer Authority

March 20, 2024 at 9:00 am - 11:00 am
David L. Lawrence Convention Center
1000 Fort Duquesne Blvd, Pittsburgh, PA 15222

Pittsburgh Water and Sewer Authority is pleased to host this contractor information session that will focus on construction opportunities for the Aspinwall Pump Station, Bruecken Pump Station, and the Clearwell Bypass projects. These projects are a critical phase of our Water Reliability Plan, a series of once-in-a-generation improvements to modernize, add redundancy, and strengthen our water infrastructure. The anticipated bid release for these projects is Summer 2024.

We are seeking a variety of construction firms with a range of specialties to participate in this new era of PWSA infrastructure investment. Contractors will have the opportunity to hear more details about the projects and network with other firms.

Regional, Local, and MWDBE contractors are highly encouraged to attend.

Please register for this event in advance at
www.pgh2o.com/news-events/events-meetings/wrpcontracts

Opportunities include:

- Building demolition
- CAD services
- Concrete supply
- Environmental testing
- Equipment rental
- Fencing
- Instrumentation and controls
- Landscaping
- Materials testing
- Mechanical and electrical work
- Office trailer set up
- Painting
- Permitting support
- Plumbing work
- Printing
- Security services
- Signage
- Site improvements (*paving, concrete flat work, curb and gutter*)
- Specialty welding services
- Structural concrete work
- Traffic control
- Trucking
- Utility relocation and construction (*water, sewer, etc.*)
- Vendors (*fuel deliveries, tire repair services, trash hauling, janitorial services, safety supplies, welding supplies, sanitary services*)

Supplier Diversity Program Overview

- 10-25% DBE goal on all contracts which includes:
 - Minority Business Enterprises (MBE)
 - Women Business Enterprises (WBE)
 - Veteran Business Enterprise (VBE), including Service-Disabled Veteran-Owned Businesses
 - Disability Owned Business Enterprise (DOBE)
 - LGBT Business Enterprises (LGBTBE)
- All vendors must be certified to count towards goals
- If vendors can't meet goals, we require a Good Faith Effort
- PENNVEST Funded projects require outreach and documentation

GOOD FAITH EFFORT WAIVER REQUEST FORM

PWSA Project Name:		Name of Bidder:	
PWSA Project Number:		Contact Name:	
Total Bid Amount:		Telephone Number:	
		Email Address:	

Disadvantaged Business Firm Name Contacted	Contact Name	Contact Telephone Number	Contact Email Address	Reason for Rejection
Narrative explanation as to why the contract does not have subcontracting opportunities				

- A firm bidding on or responding to a PWSA solicitation that is unable to meet the 10% minimum Supplier Diversity Program goals must demonstrate to the PWSA that it has made a good faith effort to solicit MBE, WBE, DBE, SBE, VBE, SDVBE, DOBE, and LGBTBE firms where applicable.
- For bid/proposals of disadvantaged businesses that are not selected, indicate the reason for rejection.
- If your company will not have a disadvantaged business participation, please indicate that as zero participation on the SDP Commitment Form and also complete the Good Faith Waiver Request Form.
- Include a description of any barriers or impediments encountered or reasoning for not meeting the minimum diversity participation goals in the narrative explanation section. All bids/proposals must be accompanied with the completed SDP Commitment Form and supporting documentation that includes email correspondence and bid/proposals received

Events

- Sign up for an account on Bonfire for information on events and program updates
- Planning to bring back the Meet the Team and How to Do Business events
- Contractor Information Session – March 20



Finding Opportunities



Bonfire

Register/update information to show that you're a DBE firm

Past opportunities are also located here



Attend pre-bid meetings

These can be found on Bonfire and are mostly held virtually



Attend Board meetings for updates on the organization

<https://www.pgh2o.com/news-events/events-meetings>

Office Hours

- Biweekly virtual office hours
- This is for any questions you might have about the supplier diversity program
- 1:1 meeting

[Schedule a virtual office visit](#)



Thank you

Questions or comments about the
PWSA, please contact Julie Ascioffa,
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