



# Four Mile Run Design and Project Update

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Community Presentation  
Four Mile Run Watershed and The Run Neighborhood

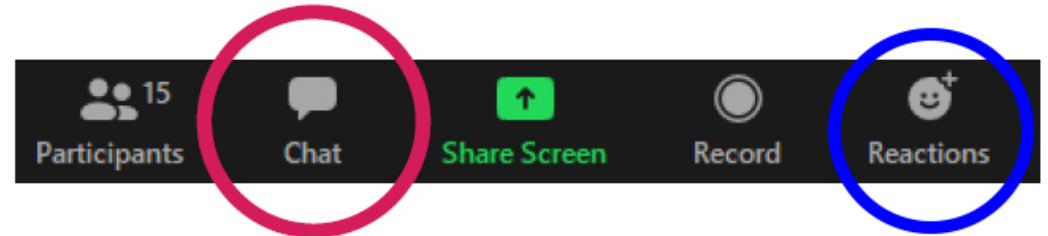
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November 14, 2022

# Submitting Questions Using Zoom

## During Presentation

- Participants will be muted
- To ask a question use the chat box below
- We will address questions at end of meeting fluctuating between in person attendees and virtual attendees



## Click the Chat Icon

- Located bottom of screen
- Looks like cartoon bubble
- Type question in dialogue box; press enter to send
- All attendees will receive your question
- Raise hand (\*9 phone) or Reactions button if need to interject

## When presentation ends

- We will respond to questions individually
- We will unmute microphones to enable verbal Q&A

For more information or to ask a question after the meeting, please visit [www.pgh2o.com/4mr](http://www.pgh2o.com/4mr)



# Welcome and Introductions

# Today's Agenda

## **6:30 – 8:00 PM**

- Review Project Background
- Discuss New Direction of Project
- Affirm Commitment to Green Infrastructure
- Introduce Watershed Partners
- Share Next Steps and Ways to Stay in Touch
- Question and Answer



# Project Background

# Background

- October 2021 last met with Community and Stakeholders
- Joint Permit Application was going through DEP review process
- PWSA initiated Water Reliability Plan – a series of critical water infrastructure projects
- Late summer, provided update to project stakeholders

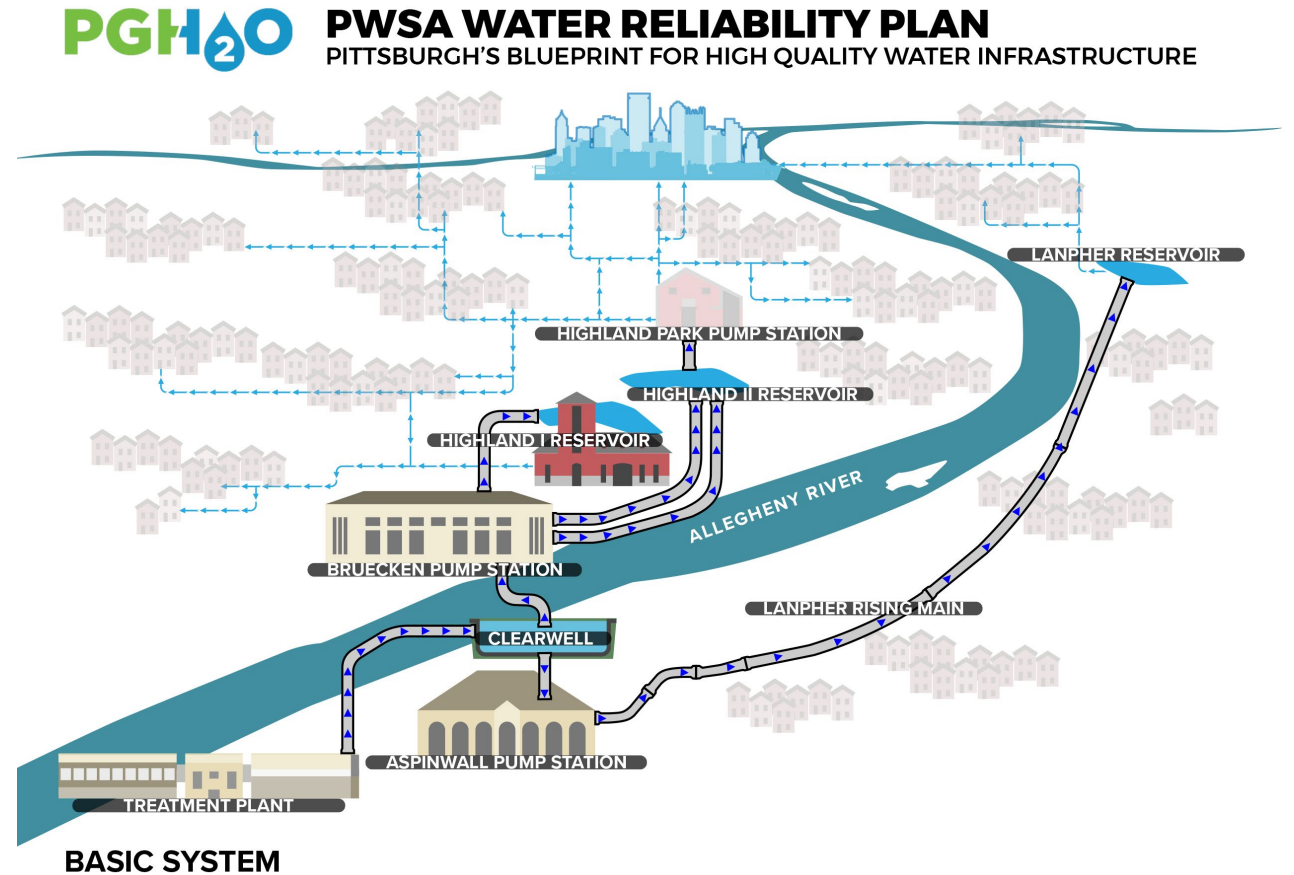


# Permitting Challenges

- DEP's review proved difficult
- Led to many questions about the design of the dam at Panther Hollow Lake and daylighting of the stream
- Railroad right-of-way issues for the dam at Panther Hollow Lake

# Water Reliability Plan

- A series of once-in-a-generation projects to modernize water distribution system and provide customers with more secure and reliable water services
- Investment of nearly \$470 million over the next five years in large-scale water improvement projects
- Resiliency within the system will be required during this time



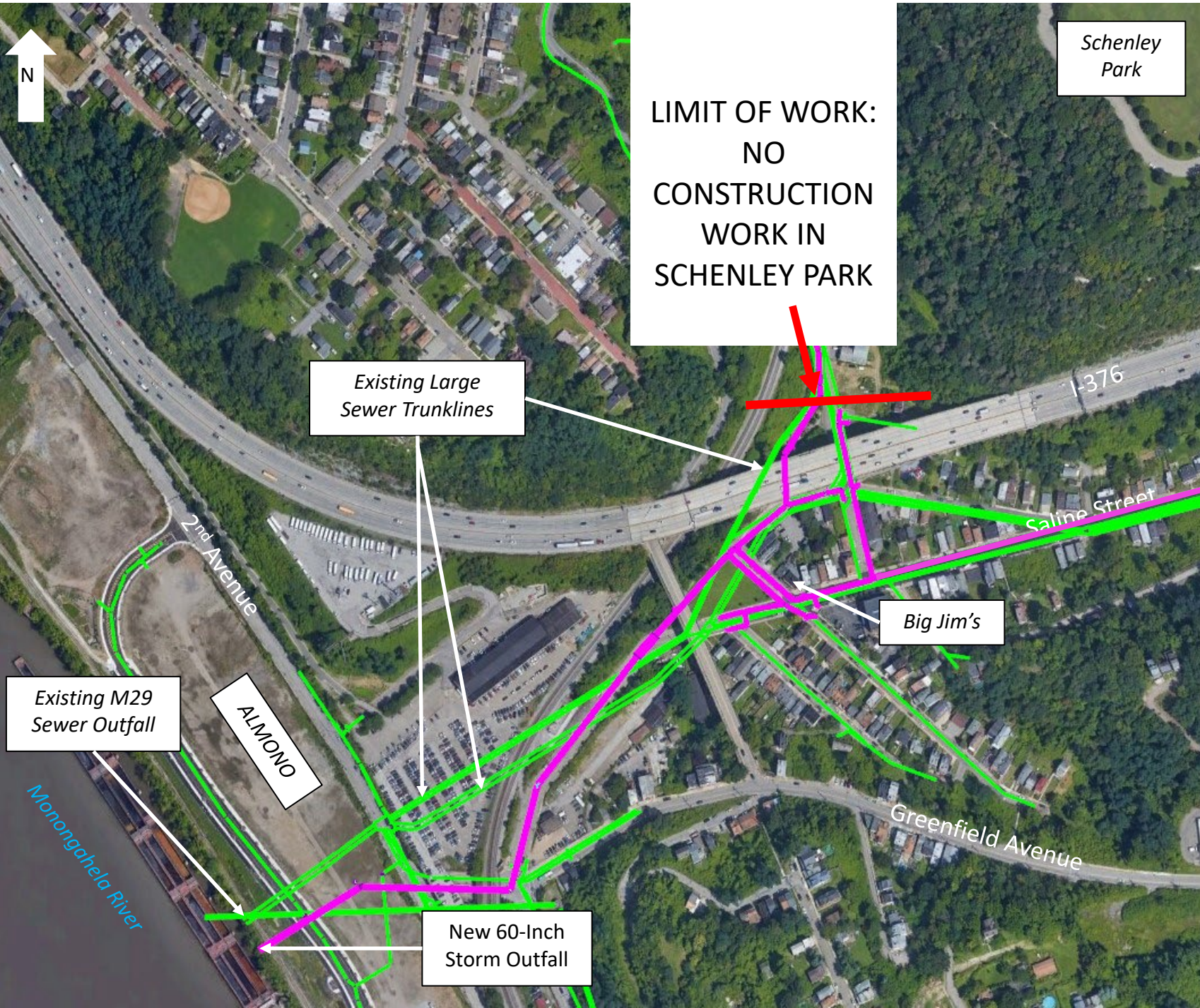
[www.pgh2o.com/water-reliability-plan](http://www.pgh2o.com/water-reliability-plan)





# New Direction of Project

*Its focus – reduce flooding in the Run neighborhood and the occurrence of combined sewer overflows in the Monongahela River*



LIMIT OF WORK:  
NO  
CONSTRUCTION  
WORK IN  
SCHENLEY PARK

Schenley  
Park

Existing Large  
Sewer Trunklines

Existing M29  
Sewer Outfall

ALMONO

Big Jim's

New 60-Inch  
Storm Outfall

I-376

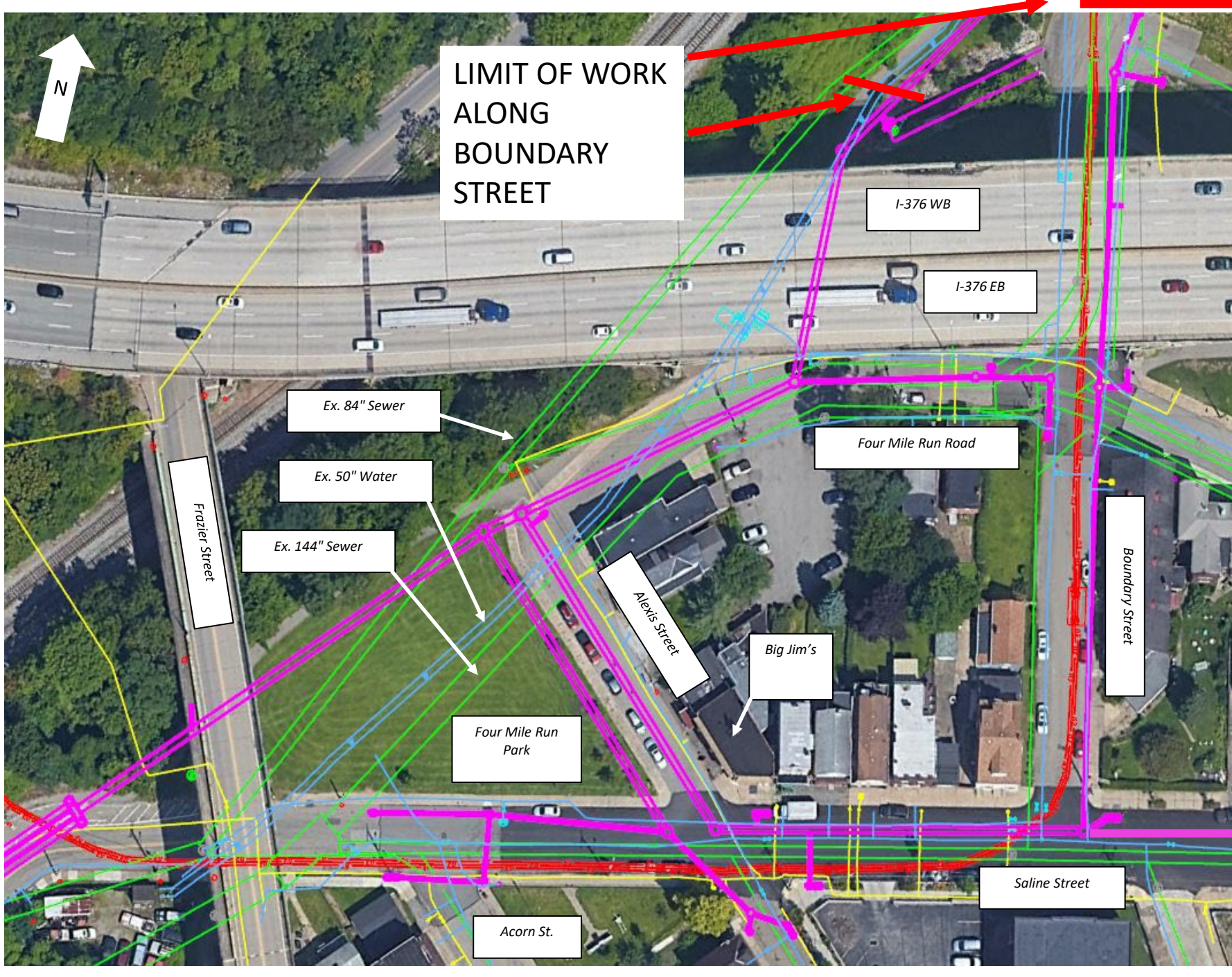
Saline Street

Greenfield Avenue

Monongahela River

2nd Avenue





# Anticipated Timeline



2023 design and  
submittal of permit  
application

Permit review and  
approval  
Could take 12  
months or longer

Construction follows  
permit approval



# Estimated Project Budget

# Estimated Project Budget and Funding


## October 2021

All Projects – \$42.65M (October 2021)	
Design, easement, permitting and modeling fees	\$8.5M
Early Action Projects (complete)	\$537,000
M-29 Outfall Improvements Project (complete)	\$3.6M (actual \$5M)
50-inch water relocation	\$9M
Stream and Panther Hollow Lake	\$4.5M
Stormwater Pipeline	\$13M
Construction Management/Inspection	\$2.5M
Future maintenance and operation	\$1M

ALCOSAN GROW Funding: \$10M reimbursed after construction



# Expenditures to Date

- Early Action Projects (complete 2020): \$537,000
  - M29 Outfall Improvements Project (complete 2022): \$5M
  - Planning, Design, and Permitting expended since project inception: \$7,123,346.41
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# Future Project Budget:

To Be Determined

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Board will approve design contract at December board meeting

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Too early to provide construction project estimates for the stormwater only pipe in the Run due to supply chain and inflation

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Future phases of green infrastructure are not defined

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At future milestone meetings with the community, PWSA will share project costs as they are developed





# Commitment to Green Infrastructure

*Green infrastructure is needed to manage stormwater in Pittsburgh. It remains an essential tool of our stormwater program.*

# Primary Stormwater Goals

## Water Quantity

- Management of stormwater runoff
- Determination of level of service

## Water Quality

- CSO control aspect (ALCOSAN's tunnel)
- MS4 permit requirements

# Long-term Stormwater Strategic Planning

## First phase nearing completion


- Considers stormwater challenges through the lenses of water quality, localized flooding, environmental justice, and opportunities for future stormwater projects
- Provides overview of how to address water quality and quantity

## Initiating Wet Weather Plan

- Negotiation of Consent Decree with EPA and PA DEP
- Considers capacity within the existing combined sewer system
- Analysis will help to determine level of service

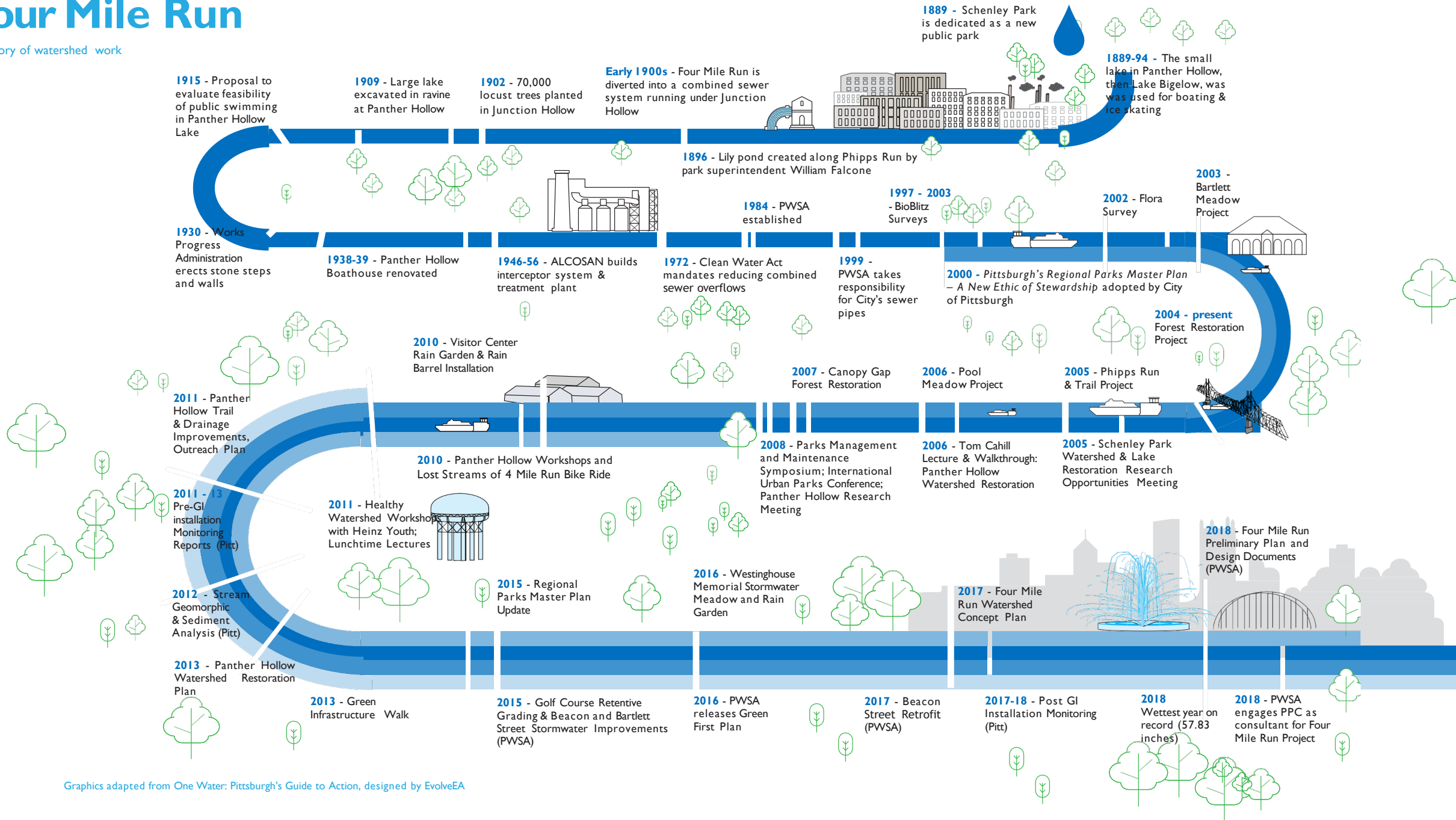


## Continue Community Conversations

- Findings from strategic planning will better inform our use of green infrastructure
  - Partnerships with community organizations and watershed groups are essential
  - Relationships can help to advance projects and incorporate community benefits
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# Four Mile Run

A history of watershed work





# The Mon Water Project

Advocating for the Monongahela Cricks and Hollows



# Advocating for the Monongahela Cricks and Hollows

## Mission

The Mon Water Project (MWP) and its Coalition will conserve, restore, enjoy, and protect our neighborhood's tributary waters to the Monongahela River.

We will educate and activate individuals as we plan, partner, and build science-based solutions in our watershed.





# Advocating for the Monongahela Cricks and Hollows

## Vision

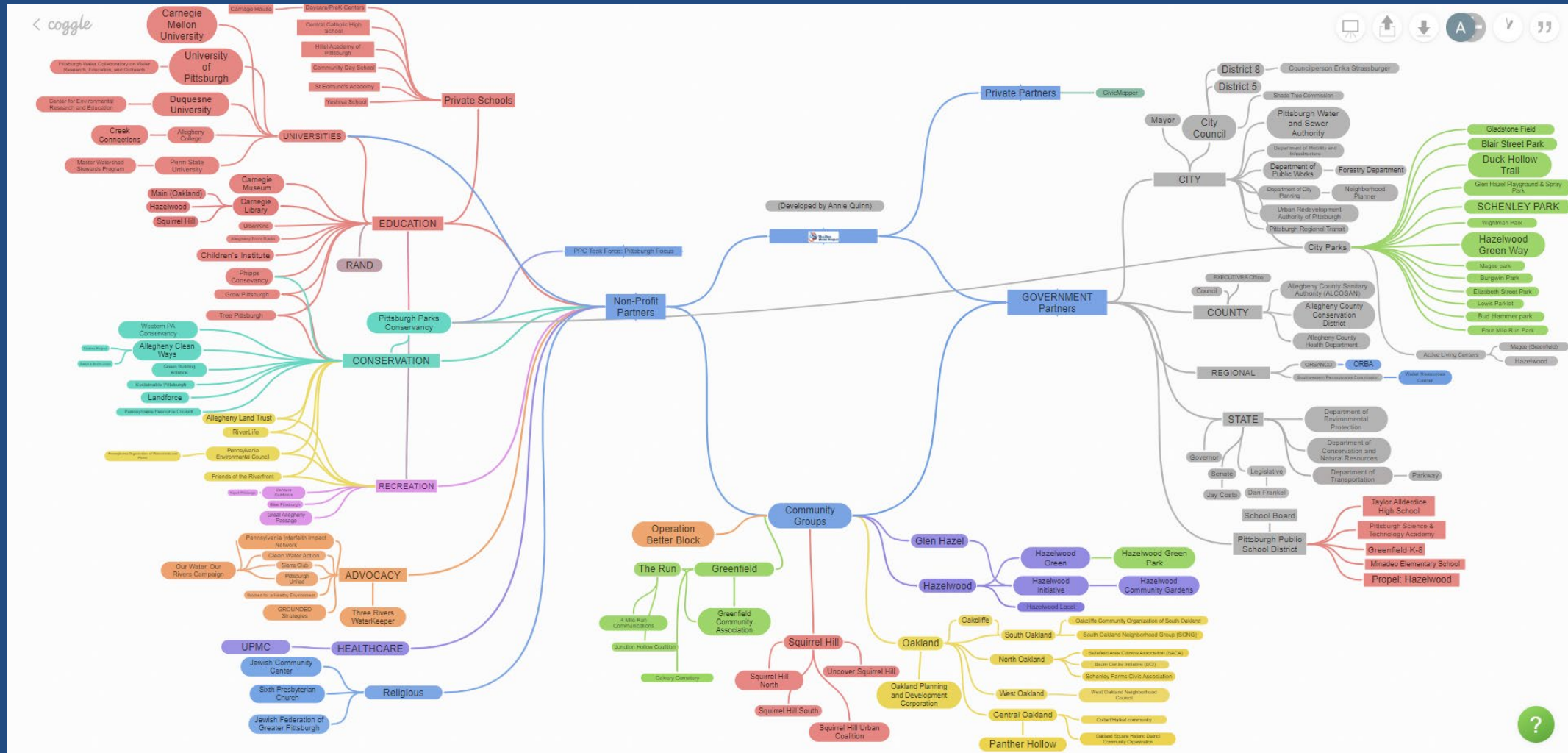
The Mon Water Project (MWP) believes that flooding is solvable, creeks are restorable, rivers are for recreation, and urban land use practices can be a part of a sustainable restoration and conservation movement in the City of Pittsburgh and its Rivers.





# Our guiding principles

## << Partnership >>



# Our guiding principles

## << One Water >>

- Advance regional collaboration on water management, planning, and projects.
- Accelerate programs and partnerships that improve water quality directly.
- Sustain adequate funding for water infrastructure.
- Blend public & private expertise and investment to address infrastructure needs.
- Redefine affordability for our watershed residents.
- Embrace the mission of protecting public health.
- Support innovation and the acceleration of technology adoption to build efficient water infrastructure.



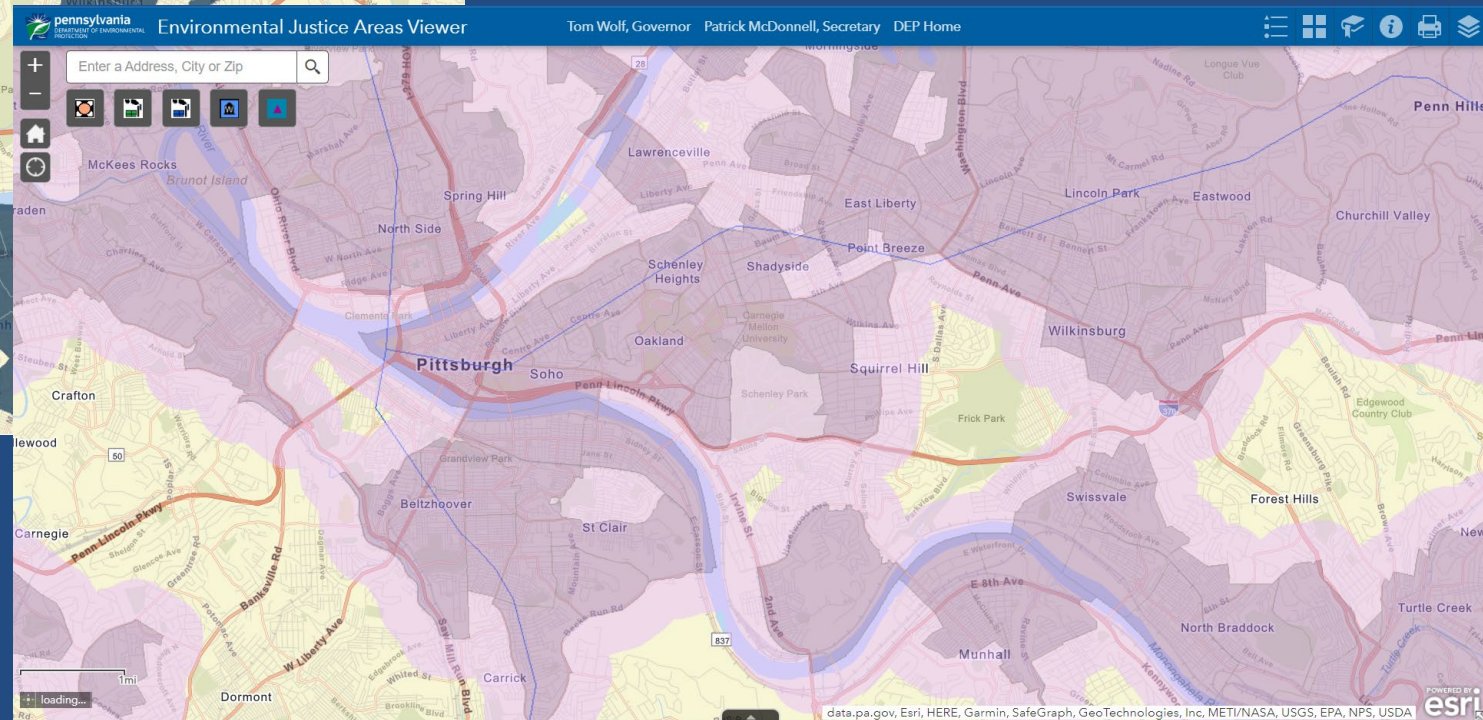
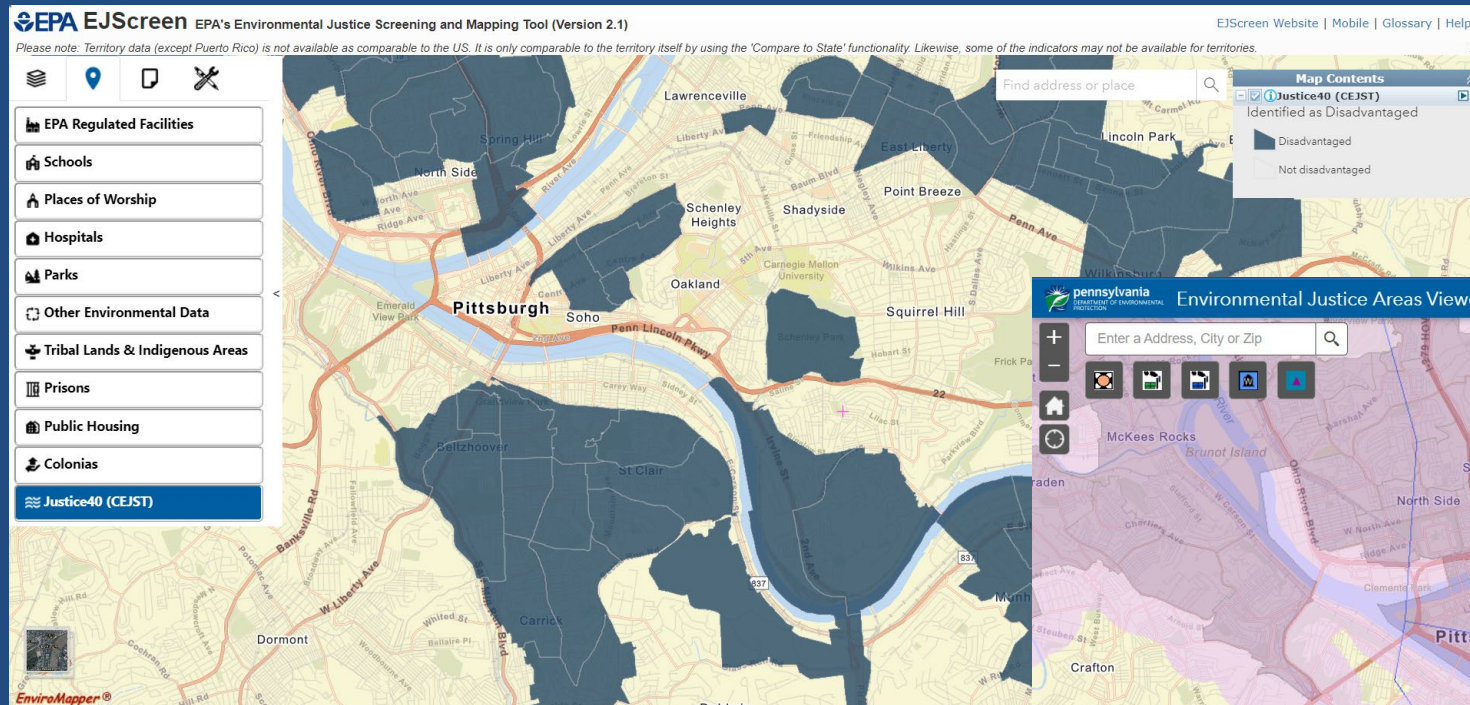
Source: <https://www.wwdmag.com/>



# Our guiding principles

## << Justice, Equity, Diversity, & Inclusion >>

## Environmental Justice Zones



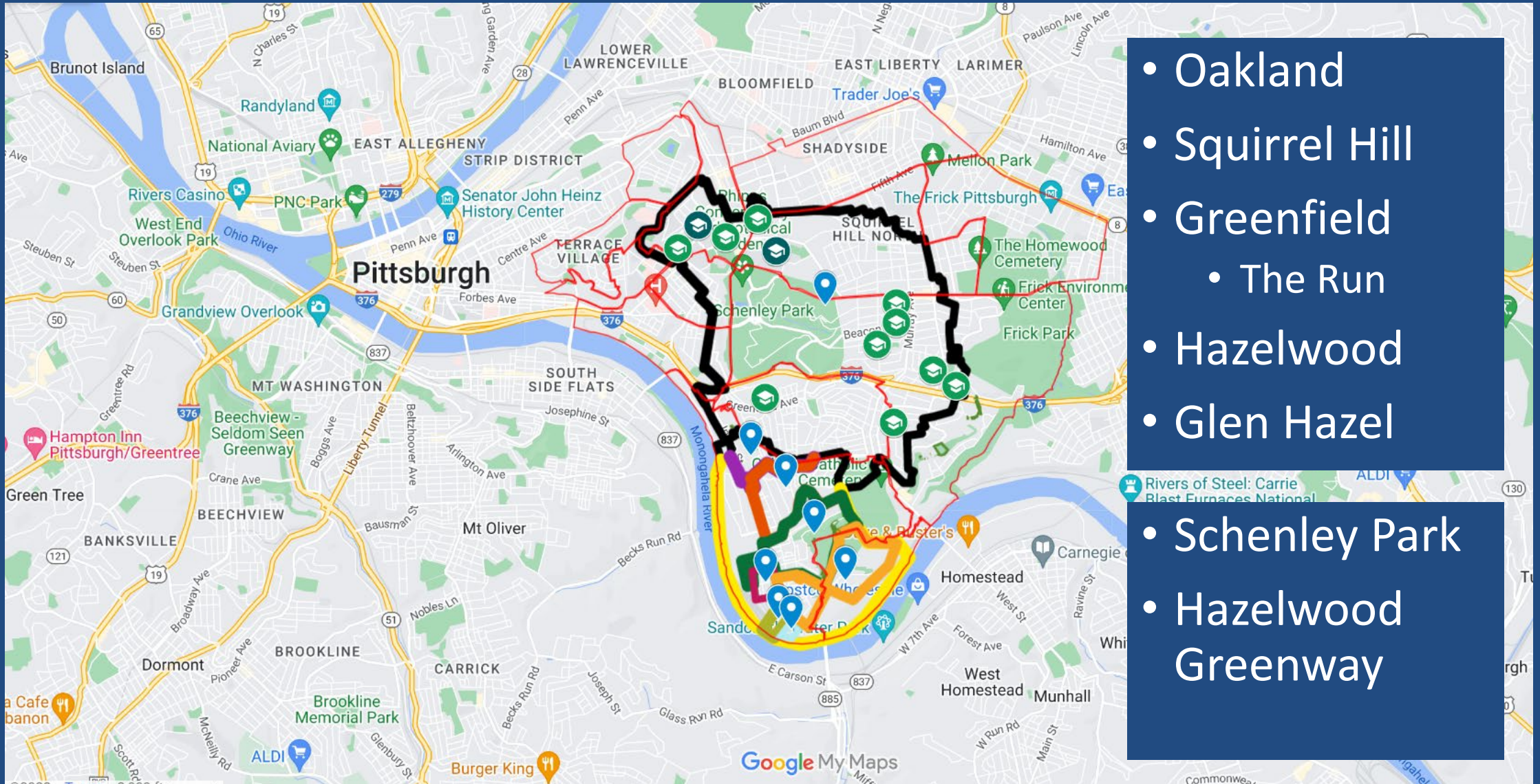
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<https://ejscreen.epa.gov/mapper/>



Source:  
<https://padep1.maps.arcgis.com/home/index.html>



# << Geography >>



- Oakland
- Squirrel Hill
- Greenfield
  - The Run
- Hazelwood
- Glen Hazel

- Schenley Park
- Hazelwood Greenway



# << Next Steps >>



## Leadership

### Executive Committee

#### Representation:

- Governments
- Community Groups
- Non-profits
- Schools
- Universities
- Religious Orgs.
- Residents



## Membership

- Communication Listserv:
  - Newsletter
  - Events
  - Calls to Action
- Social Media:
  - Twitter
  - Facebook
  - Tik Tok
- Donations



## Programs

- Education:
  - Adult
  - K-12 School
- Recreation
- Conservation:
  - Grants
  - Projects
  - Clean-ups
- Restoration:
  - Sampling
  - Monitoring
  - Modeling





# << About Me >>

- Grew up in Westmoreland County, **Export, Pennsylvania**.
  - » Turtle Creek Watershed
- Attended American University in **Washington D.C.** for Political and Environmental Science.
  - » Chesapeake Bay Watershed
- Worked in Manufacturing & Environmental Permitting in **Cleveland, Ohio**
  - » Lake Erie, Great Lakes Watershed
- Now grounded in **Greenfield, the City of Pittsburgh** with my Partner and two hellbenders.
  - » Four Mile Run, Mon River Watershed





# The Mon Water Project

Advocating for the Monongahela Cricks and Hollows

Annie Quinn, Founder & Director

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[www.monwaterproject.org](http://www.monwaterproject.org)



MWP is a fiscally sponsored project of  
New Sun Rising, LLC

<https://www.newsunrising.org/>

# Next Steps

- Finalize scope and complete design
- Submit new Joint Permit Application
- Construction will follow once permit is approved





# Stay Informed

- Project webpage: [www.pgh2o.com/4MR](http://www.pgh2o.com/4MR)
- Quarterly project updates via email
  - Subscribe to mailing list on project webpage
- Community meetings as project milestones are reached





# Question and Answer



# Thank you

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Questions or comments, please  
contact Rebecca Zito  
[rzito@ph2o.com](mailto:rzito@ph2o.com)