

*You have arrived at:*

# Replacing the Nation's Lead Pipes Over the Next Decade...

*Welcome!*  
We will get started soon.



**EPA MID-ATLANTIC REGION  
2023 SUMMIT**

Engaging and Investing for a  
Healthy and Sustainable Future

# Friendly Reminders Before We Get Started

Please [mute yourself](#) and [turn off your webcam](#) during presentations.

If you encounter technical difficulties during the meeting, you can:

- ✓ Send a chat message directly to Host or IT Support
- ✓ Email [epamidatlsummit@michaeldbaker.com](mailto:epamidatlsummit@michaeldbaker.com) with the subject line “Zoom Support”

*This session is being recorded and will be made available after the summit.*



ENVIRONMENTAL POLICY  
**INNOVATION**  
CENTER

# Replacing the Nation's Lead Pipes Over the Next Decade Through Data-Driven Policy, Momentum Building, and Technical Assistance

**EPA Region 3 Mid Atlantic Summit**

5/17/2023

**EPIC builds  
policies that  
deliver  
spectacular  
improvements  
in the speed of  
environmental  
progress.**



Water Infrastructure



Procurement & Finance



Endangered Species



Restoration & Mitigation



Water Quality Partnerships



Technology





# Who's on the call today from EPIC?



**Maureen Cunningham**  
Chief Strategy Officer  
and Director of Water  
[maureen@policyinnovation.org](mailto:maureen@policyinnovation.org)



**Denise Schmidt**  
Funding Navigator Director  
[denise@policyinnovation.org](mailto:denise@policyinnovation.org)



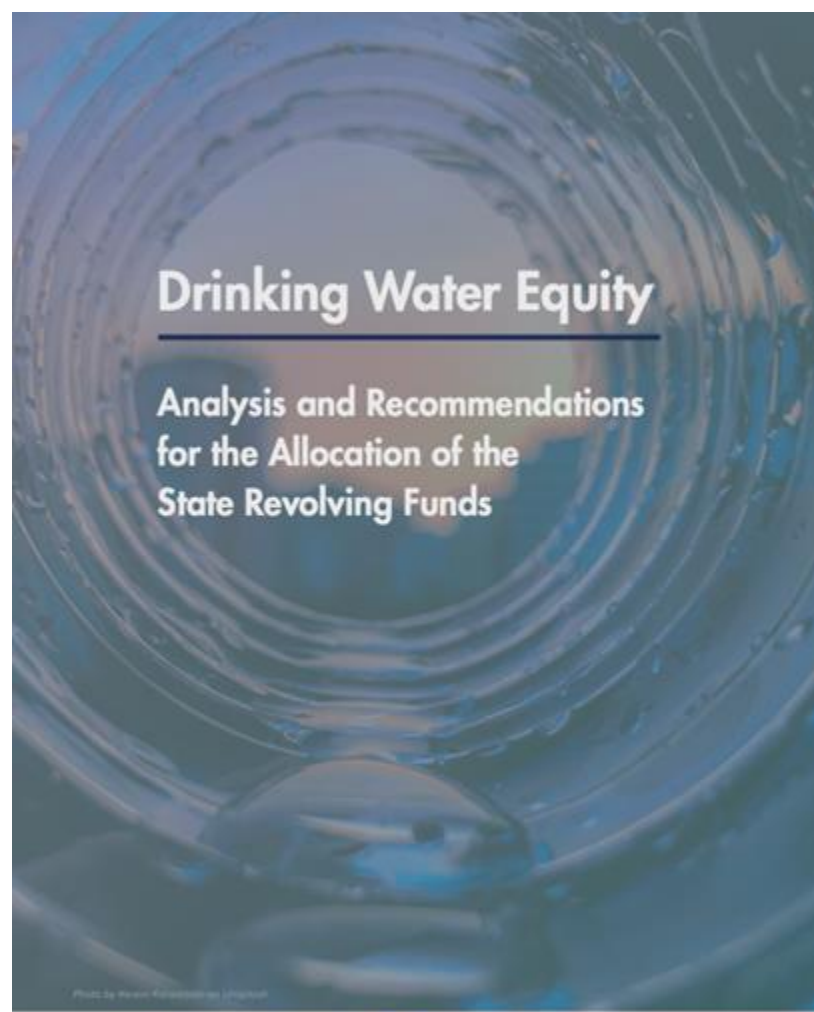
**Breeana Gonzalez**  
Water Policy Associate  
[breeana@policyinnovation.org](mailto:breeana@policyinnovation.org)

**Advancing  
innovative  
policies to  
ensure  
equitable  
access to safe,  
reliable, and  
affordable  
water.**



# Historical inequities

- Only 7.1% of eligible drinking water systems received federal water infrastructure funds from 2011 to 2020
- Smaller and more racially diverse systems are less likely to receive assistance



ENVIRONMENTAL POLICY  
INNOVATION  
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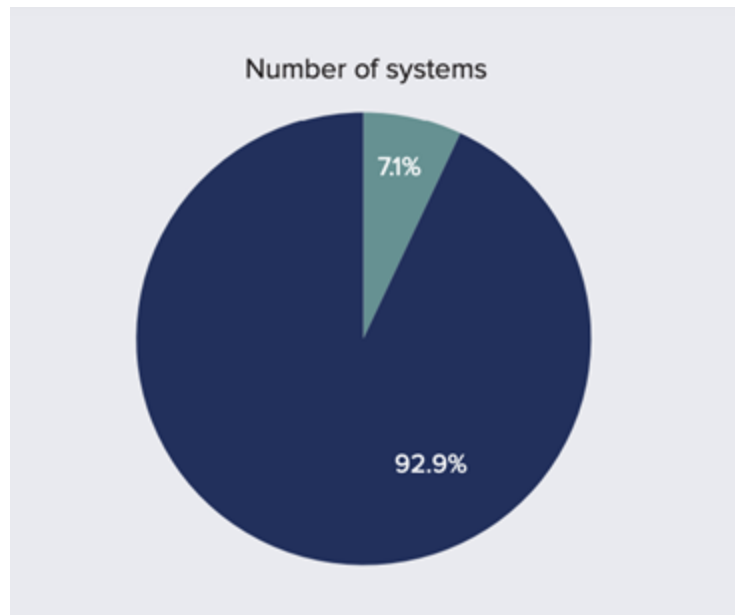


SEAS SCHOOL FOR ENVIRONMENT  
AND SUSTAINABILITY  
UNIVERSITY OF MICHIGAN

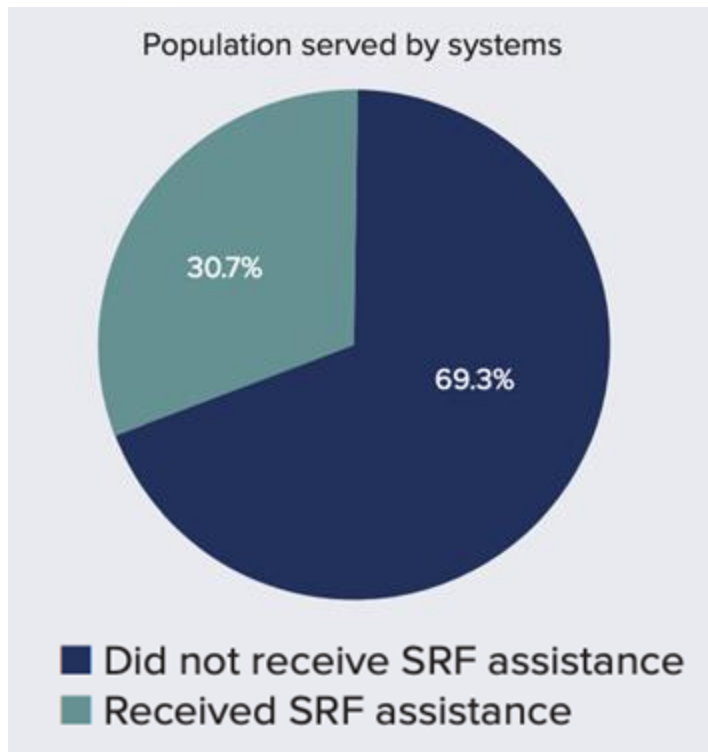




## Most drinking water systems have not applied for or received State Revolving Funds (SRFs)



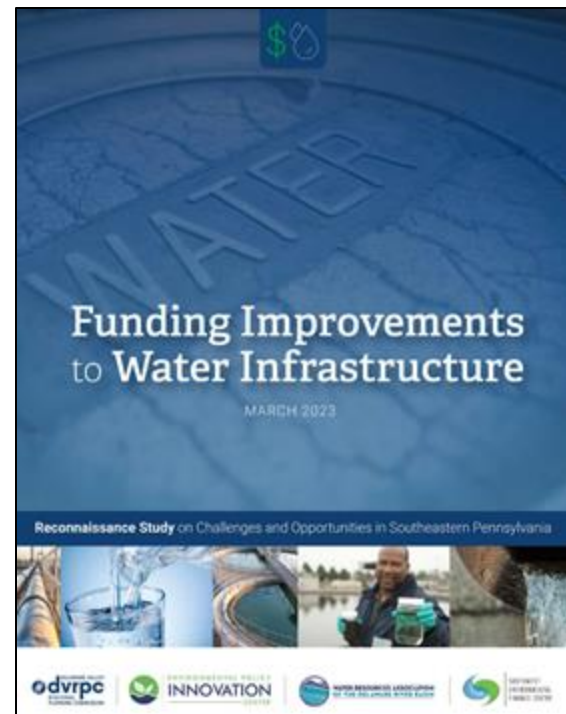
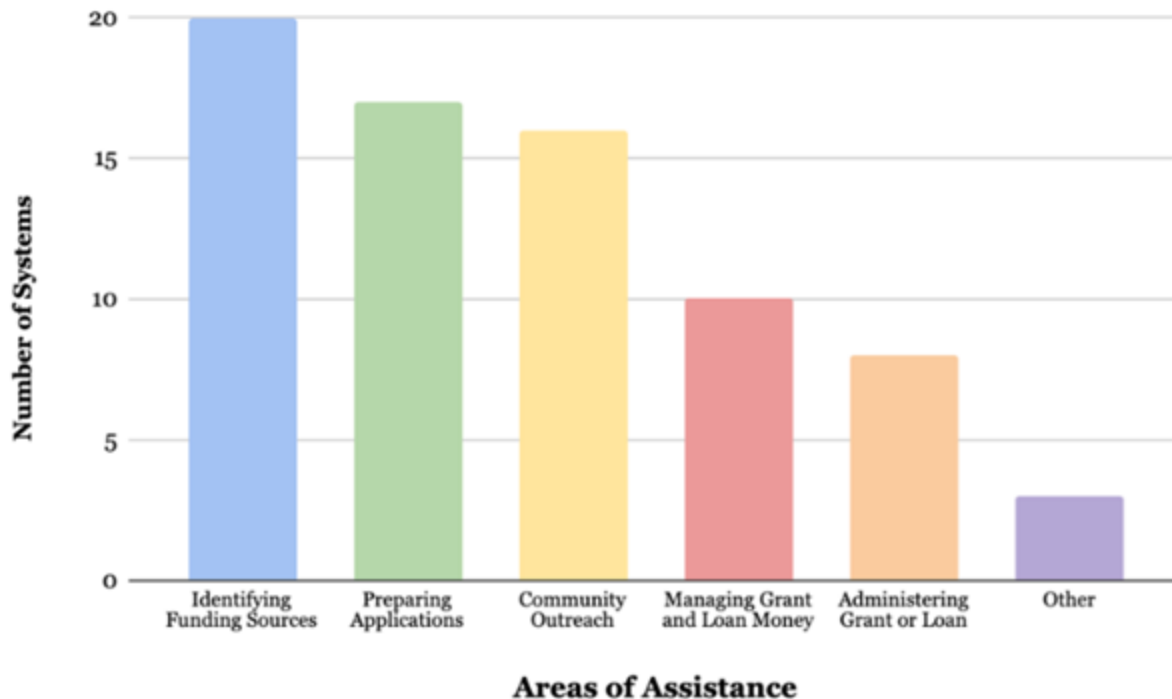
Proportion of the systems and population served by systems that received DWSRF assistance nationwide, 2011-2020







# Many water systems need assistance (e.g. Southeastern PA water systems)





# Opportunity for change

- **Funding:** The Infrastructure Investment and Jobs Act (IIJA) with \$15B for lead service line identification and replacement
- **Regulations:** Federal lead inventory mandate by October 2024 and August 2022 guidance on inventories
- **Political will, public opinion, elected leaders, and momentum**

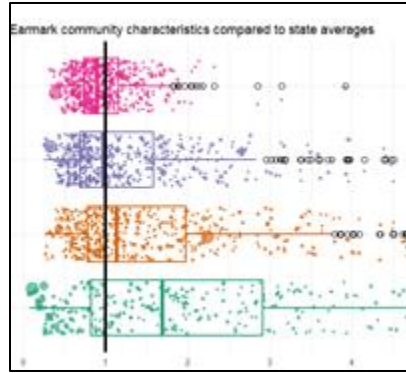


# How do we change the odds for communities who need access to funding and assistance?



## Technical Assistance (TA)

Connecting utilities and communities to funding



## Data & Research

Tracking, analyzing, and building a case for policy reforms



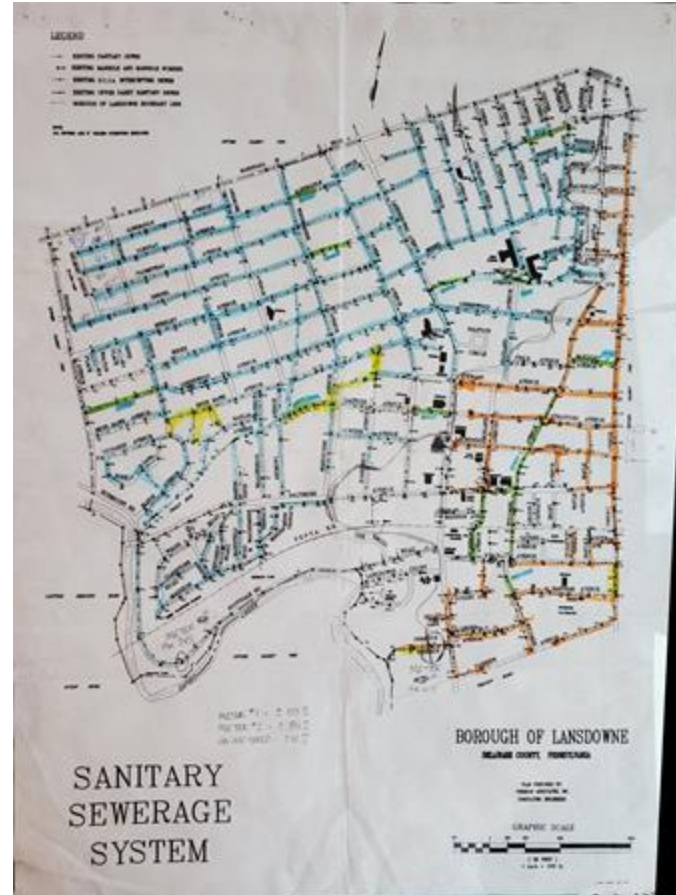
## Policy Change

Ensuring an equitable distribution of funds



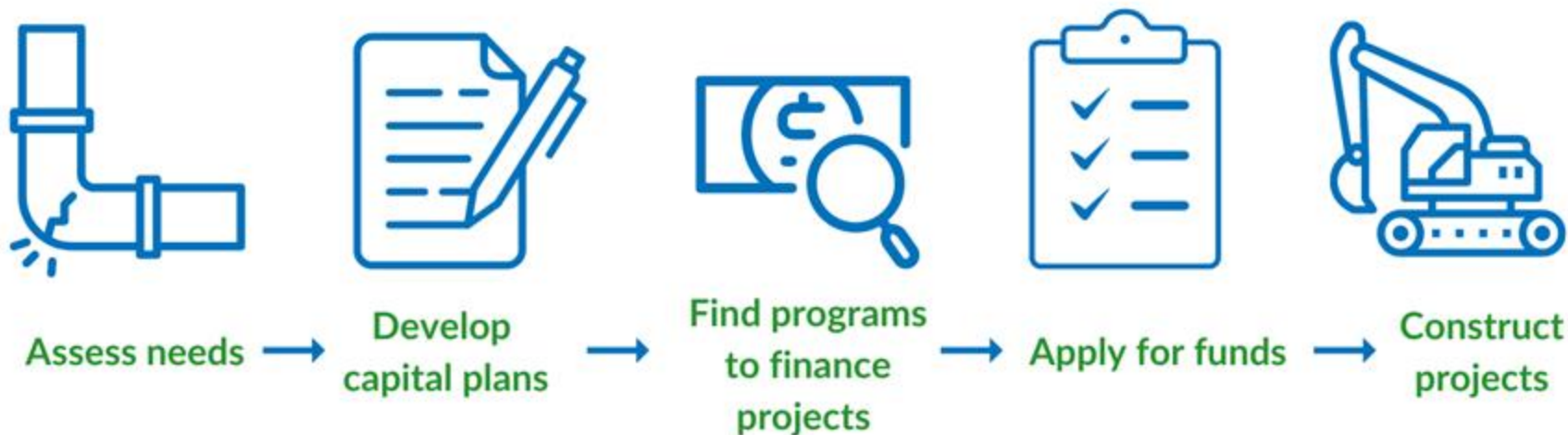
# The Funding Navigator

Connecting communities to public funds for water infrastructure





# The process of accessing public funds for infrastructure can be complex and costly







# Funding Navigator national partners



SOUTHWEST  
ENVIRONMENTAL  
FINANCE CENTER



MOONSHOT  
MISSIONS



**GREENPRINT  
PARTNERS**



**Anthropocene Alliance**



# Funding Navigator place-based partners







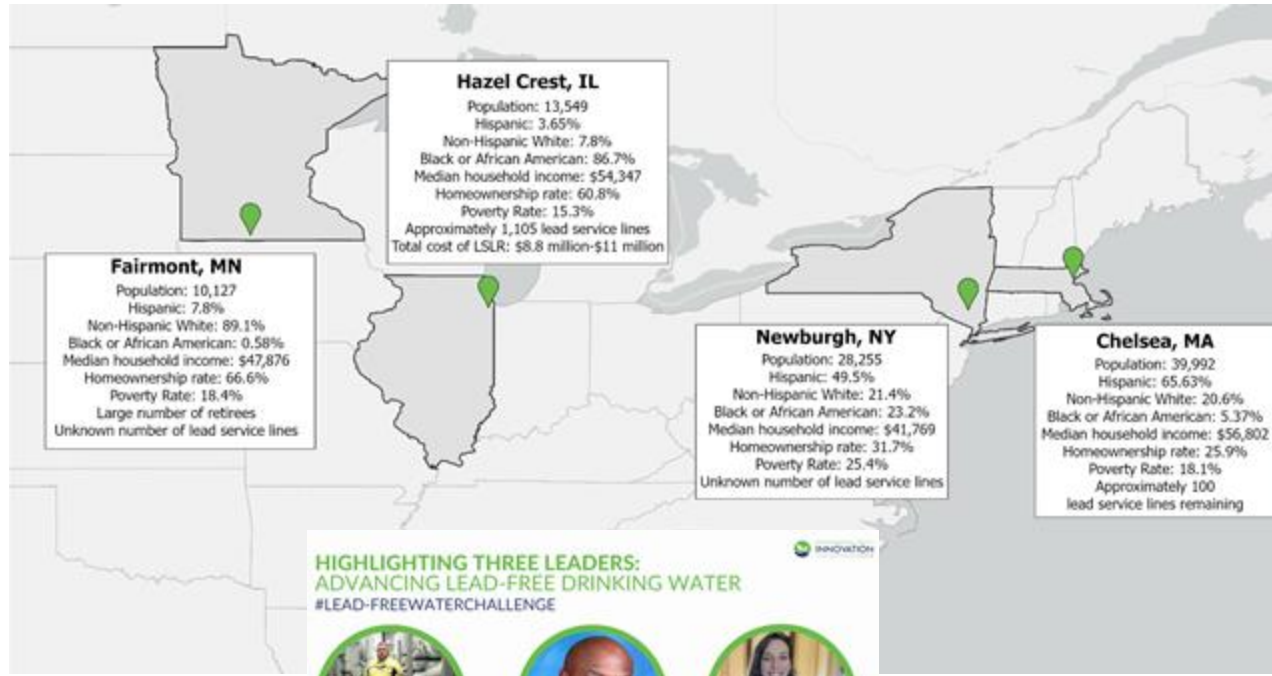
# Goals:

- Enable more utilities to access public funds for drinking water, wastewater, and stormwater infrastructure
- Finance better projects





# Replace toxic lead service lines quickly, efficiently, and equitably



Wayne Shindlerburgh  
Water Superintendent  
City of Newburgh, New York



Darin Swann  
Village Manager  
Village of Hazel Crest, Illinois



Rebecca Wright  
City Engineer  
City of Chelsea, Massachusetts



# Replacement starts with identifying/ locating/mapping lead service lines



SERVICE CARD

STREET Ash NO. 14

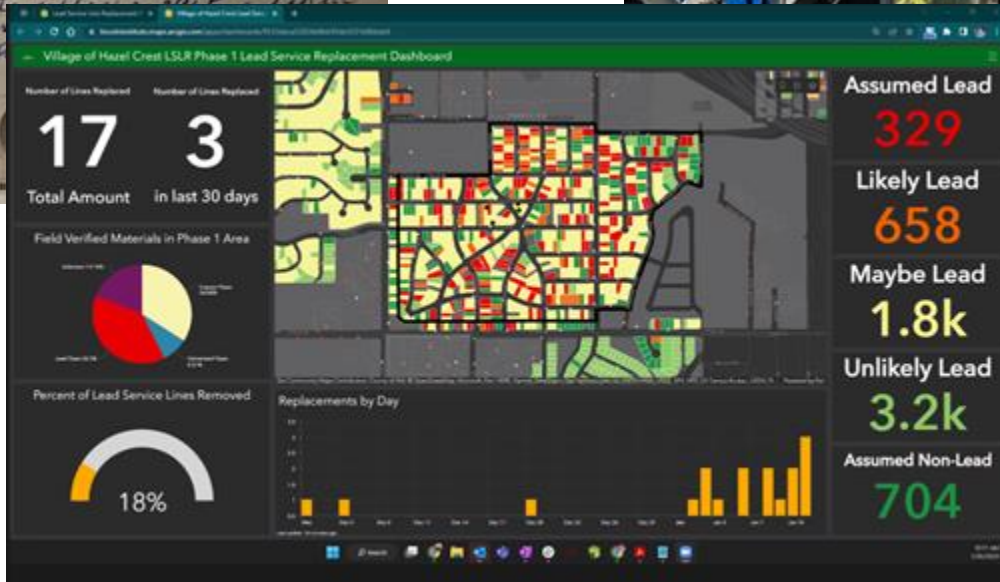
NAME OF APPLICANT KIND OF PIPE *Copper*

DATE OF LAYING PIPE Replaced Mar. 29/10 SIZE OF PIPE *3/4"*

PREMISES SUPPLIED

LOCATION OF STOP GATE OVBT

*Jan 30, 1970 Replace 3/4 copper 6 ft main to curb  
3/4 copper 4 ft curb to  
1-3/4 curb inch 1- se  
Sept 1, 1970 Replace*







# Integrating community into our TA model





# Connecting communities/utilities with the Funding Navigator is as easy as...



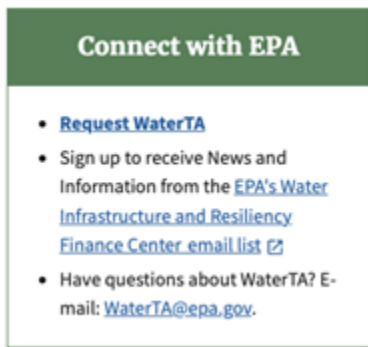
## 1) EPIC

([policyinnovation.org/funding-navigator](https://policyinnovation.org/funding-navigator))



## 2) Place-based partners

([dvrpc.org/waterquality/fundingnavigatorprogram](https://dvrpc.org/waterquality/fundingnavigatorprogram))



## 3) EPA

([epa.gov/water-infrastructure/water-technical-assistance](https://epa.gov/water-infrastructure/water-technical-assistance))

# Following the money:

Tracking one  
year of  
intended uses  
of Drinking  
Water State  
Revolving  
Funds



**Environmental  
Defense  
Fund**

**MASSIVE  
DATA  
INSTITUTE**





# Need for standardization of data:

## Challenges

1. Collecting the data
2. Making sense of the data
3. Sharing the data

## Illinois Project Priority List

Illinois EPA Public Water Supply Loan Program (PWSLP) FY2022 Project Priority List

FY2022 PWSLP Intended Funding List (IFL)									
Funds Reserved for Projects on the IFL through December 31, 2021									
Loan Applicant	L179	Project Description	Facility No.	Estimated Construction Start	Projected Loan Amount	Disadvantaged Community Forgiveness	Service Population	Priority	Loan Score
Assumption	5867	Treatment plant and watermain upgrades.	6.0210000	7/15/2021	\$4,000,000	\$ 400,000	3,228	435	
Carrollton	4008	Replace treatment plant and booster pump station improvements.	6.0400000	8/1/2021	\$3,570,000	\$ 400,000	2,398	405	
Morrison	3474	New watermain, meters and meter read system. (Phase 2)	6.1500100	3/1/2022	\$1,410,000	\$ 400,000	3,988	420	
Galena	5811	Demolish water tower & pump station, install watermain	6.0800200	5/6/2021	\$1,385,000	\$ 400,000	4,026	370	
Mason City	4309	Construct new well No. 6.	6.1100100	3/1/2022	\$500,000	\$ 250,000	2,119	370	
North Chicago	5812	New transmission main, replace watermain.	6.0971200	12/2/2021	\$7,100,000	\$ 400,000	38,697	355	
Griffithville	5662	Replace and loop watermain.	6.0180100	3/4/2022	\$389,000	\$ 344,500	966	345	
Loftis	5928	New ground water storage tank, treatment plant improvements.	6.0790900	10/1/2021	\$1,044,850	\$ 400,000	998	340	
Mt. Carmel	5779	Update and replace treatment plant. (Phase 1)	6.1850200	10/1/2021	\$8,040,000	\$ 400,000	6,537	340	
Tulona	5880	Replace watermain, hydrants and valves and looping.	6.0181000	1/15/2022	\$1,453,000	N/A	8,449	330	

## Pennsylvania Project Priority List

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DRINKING WATER STATE REVOLVING FUND  
FEDERAL FY2021 - PROJECT PRIORITY LIST  
UPDATED FOR THE APRIL 21, 2021 PENNVEST BOARD MEETING

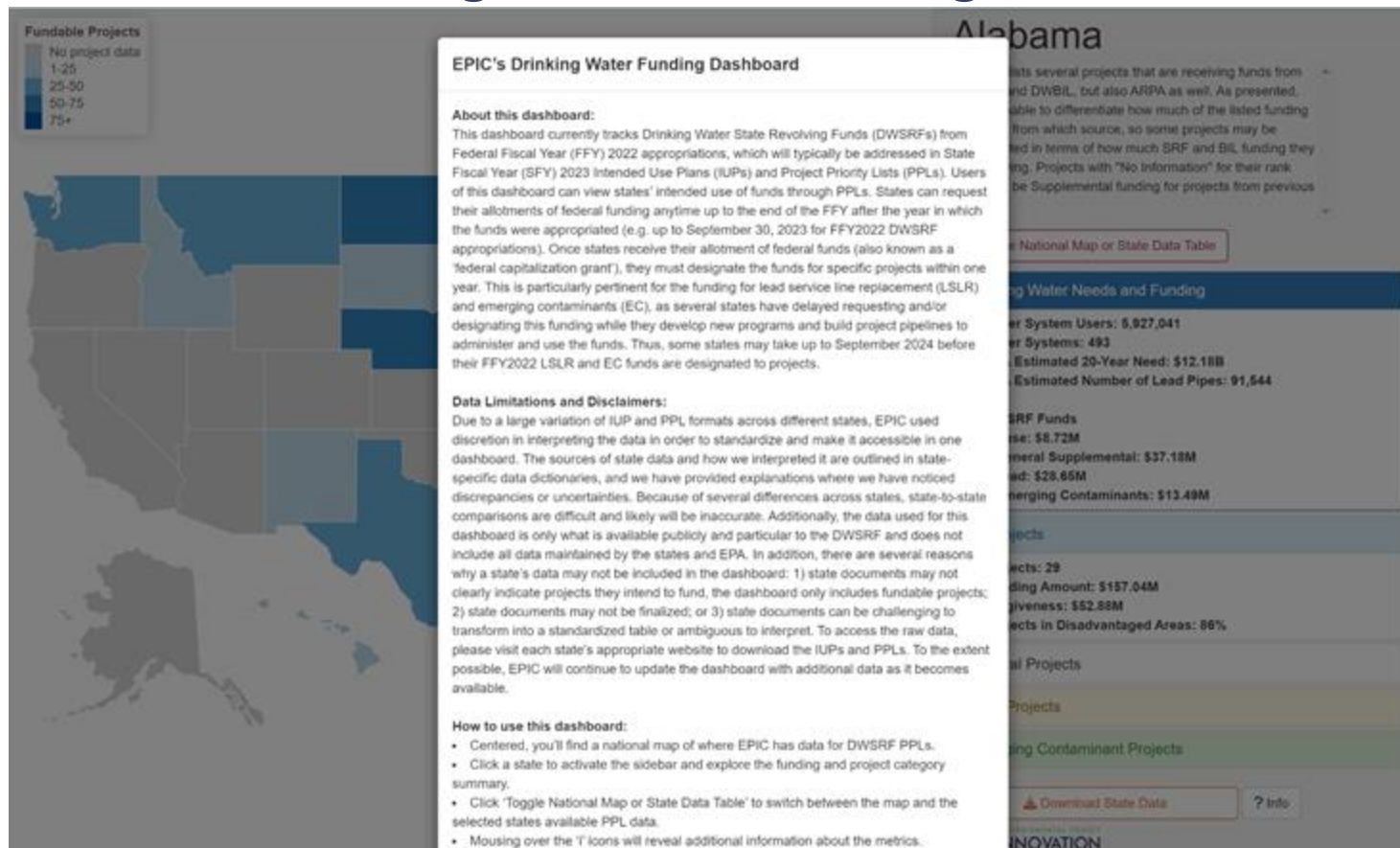
APPLICANT NAME: MAHONING TOWNSHIP MUNICIPAL AUTH.		REGION: VI	DEP PROJECT RATING: 65
WATER SYSTEM IMPROVEMENT			
STREET ADDRESS: P.O. BOX 168		PWSID: 5030024	PROJ RANK: 4
CITY: DISTANT		FUND SOURCE: DWSRF	PROJECT COST: \$3,651,220
COUNTY: ARMSTRONG		MTG DATE: 4/22/2020	PROJECT TYPE: OS, PS, WS
<b>PROJ. DESCRIPTION:</b> This water system improvements project consists of purchasing and installing a new meter vault, approximately 13,000 linear feet of 8-inch high density polyethylene waterline, a new booster pump station equipped with 100 horse power duplex pumps and an emergency generator. The project also includes purchasing and installing a new 200,000-gallon elevated composite storage tank with a mixing system to address occurrences of trihalomethanes maximum contaminant levels exceedances. This will increase water delivery rate, increase system pressures and reduce instances of total trihalomethanes (TTHM) violations.			
<b>PROB. DESCRIPTION:</b> The existing Mahoning Township Municipal Authority water system is over 55 years old and has been plagued by insufficient water delivery rate, low system pressures and capacity issues. The existing booster station pumps are aged and the booster station does not have an emergency power back-up. The piping from the booster station to the existing 188,000-gallon standpipe is a 3-inch diameter watermain which lacks capacity and has experienced multiple leaks and breaks. The existing standpipe is not equipped with a mixing system and has caused the system operator to receive notices of violation (NOVs) for total trihalomethane disinfection by-product issues.			
POPULATION: 9,000		PV RATING: 62	
GREEN PROJECT: Yes		GREEN CATEGORY: Water & Energy Efficient	
BUSINESS CASE: Required		GREEN AMOUNT: \$1,758,420	

## Indiana Project Priority List

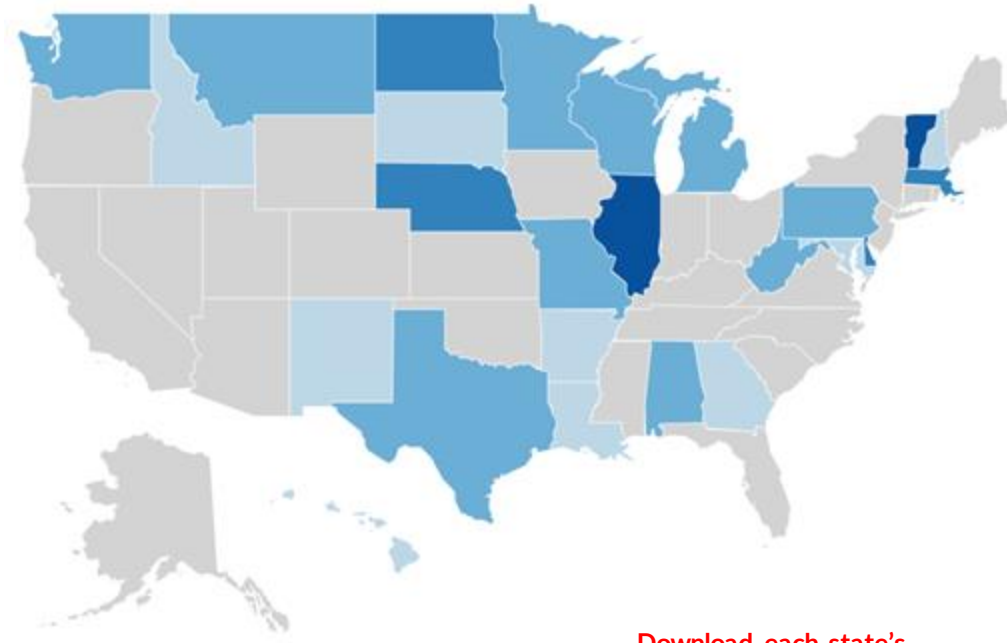
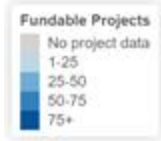
ISFY 2022 - Drinking Water  
Indiana Drinking Water State Revolving Fund (DWSRF) Loan Program  
ISFY 2022 Project Priority List, October 25, 2021, 2nd Quarter Final  
Projects Applying for Financial Assistance in State Fiscal Year 2022 (July 1, 2021 - June 30, 2022)

PPF Rank	PPF Score	Participant	Min L1	Population Served	PWSID No.	ISFY Project No.	Project Description	Estimated Green Project Reserve Cost	Green Project Reserve Category	Current User Rate (per 4,000 gallons)	Estimated Post-Project User Rate (per 4,000 gallons)	Requested Funds	Cumulative Requested Funds
1	97	Nashville/Brown Co. State Park	\$45,000	3,315	0207002	DW202007 01	Water Main Extension, Storage, and Distribution System Improvements	780	WE	\$72.75	\$72.75	\$2,300,000	\$2,300,000
2	74	Wheatland	\$42,280	480	0240016	DW202140 01	Distribution System Improvements	780	780	\$42.47	\$113.31	\$1,300,000	\$5,300,000
3	72	Monticello - RCA Neighborhood	\$43,182	5,300	0209011	DW202091 01	Distribution System Improvements and Lead Service Line Replacement	80	N/A	\$22.05	\$25.07	\$1,400,000	\$7,200,000
4	70	Evansville - Treatment Plant	\$42,600	173,000	0208002	DW202042 03	New Treatment Plant	780	780	\$20.74	\$45.86	\$206,000,000	\$207,300,000





# Dashboard Tracking DWSRF Funding: Map View



## Alabama

Alabama lists several projects that are receiving funds from DWSRF and DWBIL, but also ARPA as well. As presented, we are unable to differentiate how much of the listed funding is coming from which source, so some projects may be overreported in terms of how much SRF and BIL funding they are receiving. Projects with "No Information" for their rank appear to be Supplemental funding for projects from previous years.

Toggle National Map or State Data Table

### Drinking Water Needs and Funding

- Water System Users: 5,927,041
- Water Systems: 493
- EPA Estimated 20-Year Need: \$12.18B
- EPA Estimated Number of Lead Pipes: 91,544
- DWSRF Funds
  - Base: \$8.72M
  - General Supplemental: \$37.18M
  - Lead: \$28.65M
  - Emerging Contaminants: \$13.49M

### All Projects

- Projects: 29
- Funding Amount: \$157.04M
- Forgiveness: \$52.88M
- Projects In Disadvantaged Areas: 86%

### General Projects

### Lead Projects

### Emerging Contaminant Projects

Download State Data

? Info

State specific data caveats

Switch from map view to table view

Summary of project information

Show initial pop up

Download each state's data with relevant caveats and glossary of terms

# Dashboard Tracking DWSRF Funding: Table View



## Alabama Fundable Project List

Click a column to sort, mouse-over a column for details, and slide a column to expand

City Served	Borrower	PWSID	Project Name	Project Type	Funding Amount	Principal Forgiveness	Population	Project
Jefferson	Birmingham...	AL0000...	FS010122-1...	Lead	\$43,514,703	\$13,771,563	770,000	The B...
Dallas	Selma, Th...	AL0000...	FS010256-0...	Lead	\$15,099,297	\$15,099,297	17,971	The S...
Lauderdale	Florence, ...	AL0000...	FS010168-0...	General	\$13,500,000	\$500,000	77,754	The C...
Tuscaloosa	Tuscaloos...	AL0001...	FS010085-0...	General	\$12,000,000	\$0	120,000	The C...
Houston	Dothan, Cl...	AL0000...	FS010123-0...	General	\$10,528,272	\$528,272	97,200	This t...
Lee	Beauregar...	AL0000...	FS010216-0...	General	\$9,742,865	\$3,200,000	12,605	The B...
Mobile	Mobile, AL ...	AL0001...	FS010096-0...	General	\$7,336,075	\$0	259,224	The M...
Mobile	Mobile, AL ...	AL0001...	FS010096-0...	General	\$6,513,925	\$0	259,224	The M...
Madison	Huntsville ...	AL0000...	FS010153-0...	General	\$5,620,000	\$0	196,219	Hunta...
Pickens	Reform, Cl...	AL0001...	FS010359-0...	General	\$5,500,000	\$5,500,000	2,376	The C...
Mobile	Mobile, AL ...	AL0001...	FS010096-0...	General	\$4,707,700	\$0	259,224	Mobile...
Greene	Greene Co...	AL0000...	FS010431-0...	General	\$3,336,328	\$3,011,328	2,692	The C...
Lowndes	Hayneville,...	AL0000...	FS010127-0...	General	\$2,899,288	\$2,899,288	1,185	The p...
Mobile	Mobile (M...	AL0001...	FS010096-0...	Lead	\$2,500,000	\$1,075,000	259,224	The M...
Mobile	Mobile, AL ...	AL0001...	FS010096-0...	General	\$2,200,000	\$0	259,224	Mobile...
Choctaw	North Cho...	AL0000...	FS010303-0...	General	\$1,790,222	\$1,690,222	12,665	North...
Clarke	Grove Hill...	AL0000...	FS010197-0...	General	\$1,550,000	\$775,000	3,750	The L...
Chambers	Beulah Util...	AL0000...	FS010424-0...	General	\$1,245,500	\$622,750	6,173	The B...
Lowndes	Lowndesb...	AL0000...	FS010228-0...	General	\$1,000,000	\$1,000,000	1,210	The T...
Conecuh	Lyefflon W...	AL0000...	FS010310-0...	General	\$930,000	\$930,000	1,500	Lyeffl...
Calhoun	Weaver, Cl...	AL0000...	FS010121-0...	General	\$924,400	\$462,200	3,061	The C...
Clarke	Thomasvill...	AL0000...	FS010304-0...	General	\$819,300	\$0	3,900	The C...
Clarke Mo...	CWM (Cla...	AL0001...	FS010404-0...	General	\$743,505	\$743,505	1,800	The C...

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### Lead Projects

### Emerging Contaminant Projects

Download State Data

? Info



# 2023 Policy Agenda

Replace lead  
pipes quickly,  
efficiently,  
equitably over  
the next  
decade



## Federal

- Continue to link IIJA funds to # of lead service lines
- Standardize reporting on IIJA and SRF funds
- Standardize inventory templates
- Halt earmarks on SRF base appropriations

## State

- Distribute funds equitably and efficiently
- Maximize set-asides
- Facilitate private-side replacement
- Facilitate transparency in data

## Local

- More momentum and commitments
- Prioritize equity in replacement efforts
- Prioritize efficiency in bids and procurement
- Center community outreach
- Center local workforce development

# Generating lessons learned from our technical assistance and community engagement



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# Sharing lessons learned across our networks and building coalitions



## State Revolving Fund Advocates Forum





# Advocating for change



## Engagement on State Intended Use Plans

EPC submits public comments on state Intended Use Plans (IUPs) in collaboration with other state groups and community-based organizations, offering specific recommendations to improve state policies. Our comments focus on policies that determine which communities benefit from State Revolving Funds (SRFs), with the aim of directing more funding, particularly grants and principal forgiveness, to historically overburdened communities. We also recommend how states can ensure their SRF investments foster more resilient water systems and communities.

See the table below for access to our executive summaries and publicly available comments:

State	Clean Water State Revolving Fund		Drinking Water State Revolving Fund		
	Executive Summaries	Public comments	Executive Summaries	Public comments	Lead-specific comments
Michigan	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Available</a>	Co-signed <a href="#">letter</a> from <a href="#">Yike the People of Detroit</a>	No separate IUP for Lead
Ohio	N/A	N/A	<a href="#">Available</a>	<a href="#">Submitted</a>	Comments expected in early 2023
Illinois	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Available</a>	<a href="#">Submitted</a>	Comments expected in early 2023
Indiana	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Submitted</a>
Wisconsin	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Submitted</a>
Minnesota	<a href="#">Available</a>	<a href="#">Submitted</a>	<a href="#">Available</a>	<a href="#">Submitted</a>	No separate IUP for Lead



July 5, 2022

Casey Sweeney, Program & Policy Analyst-Adv  
Wisconsin Department of Natural Resources  
Division of External Services, Community Financial Assistance  
Via email

RE: Comments on the Draft June 2022 Safe Drinking Water Loan Program Intended Use Plan for FFY 2022 Funds for the SFY 2023 Funding Cycle





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**Thank you for joining us!**  
**We'd love to collaborate more!**

Maureen Cunningham - [maureen@policyinnovation.org](mailto:maureen@policyinnovation.org)

Denise Schmidt - [denise@policyinnovation.org](mailto:denise@policyinnovation.org)

Breeana Gonzalez - [breeana@policyinnovation.org](mailto:breeana@policyinnovation.org)

*We are on a brief break.*

The next session  
will start at 1pm.

*Welcome!*  
We will get started soon.



**EPA MID-ATLANTIC REGION  
2023 SUMMIT**

Engaging and Investing for a  
Healthy and Sustainable Future