

OTCO Compliance Workshop for Water & Wastewater Treatment

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Assistance

October 9, 2024



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Water/Wastewater Funding

- State Revolving Funds
- “BIL” Federal Infrastructure Bill
- H2Ohio
- Technical Resources



State Revolving Fund (SRF) Programs

Single largest
source of public
funding for
infrastructure

Below-market
interest rates and
rate discounts

Principal
forgiveness loans

Broad eligibility
for water and
wastewater needs

Co-funding with
other sources is
common/
encouraged

Well-established,
large financial
capacity annual
programs



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Program Funding

Water Pollution Control Loan Fund (WPCLF)

- Created by Clean Water Act amendments
- 1st loans awarded in September 1989
- Awarded over \$1 billion in 2023
- Wastewater and Stormwater

Annual average = \$750M

Water Supply Revolving Loan Account (WSRLA)

- Created by Safe Drinking Water Act amendments
- 1st loans awarded in February 1999
- Partnership between Division of Drinking and Ground Waters (DDAGW) and DEFA
- Awarded over \$600 million in SFY23
- Drinking Water

Annual average = \$350 million

Ohio EPA Priorities

- Regionalization
- Underserved Areas
- Emerging Contaminants
- Water Reuse



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SRF Funding Cycles

WPCLF – Calendar Year

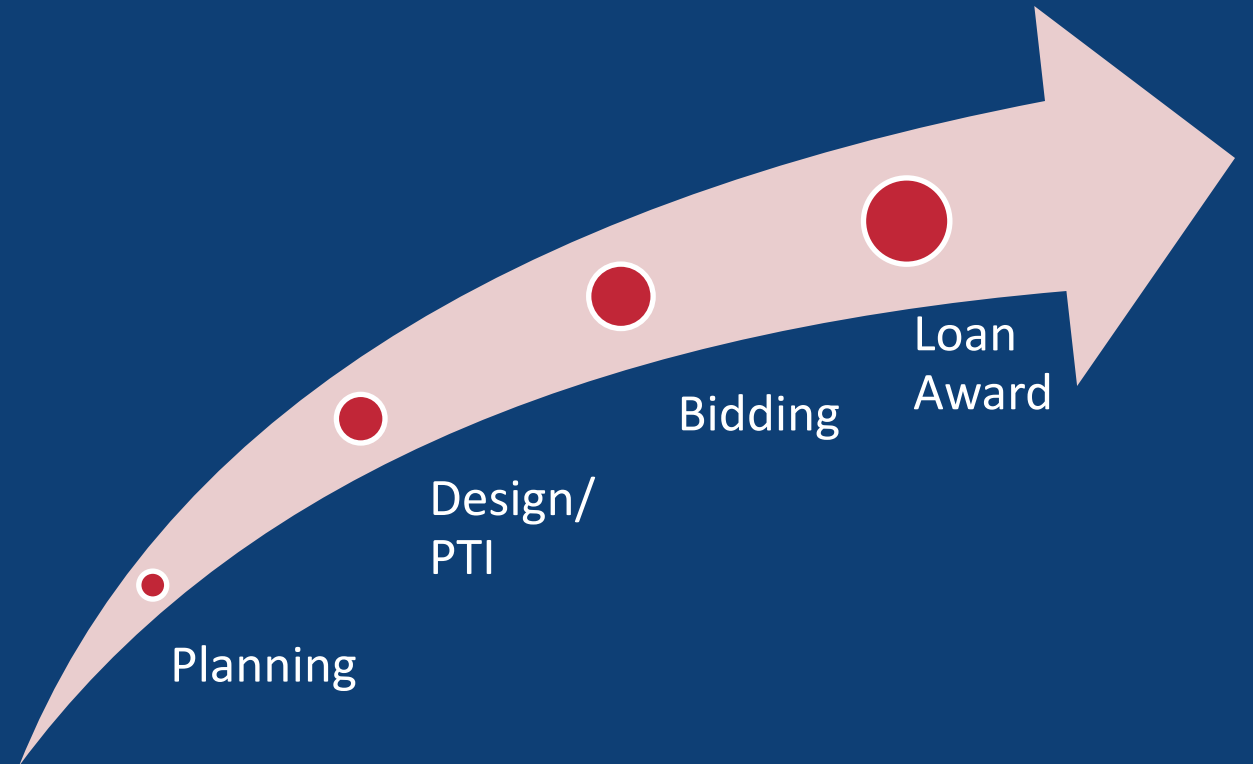


WSRLA – State Fiscal Year

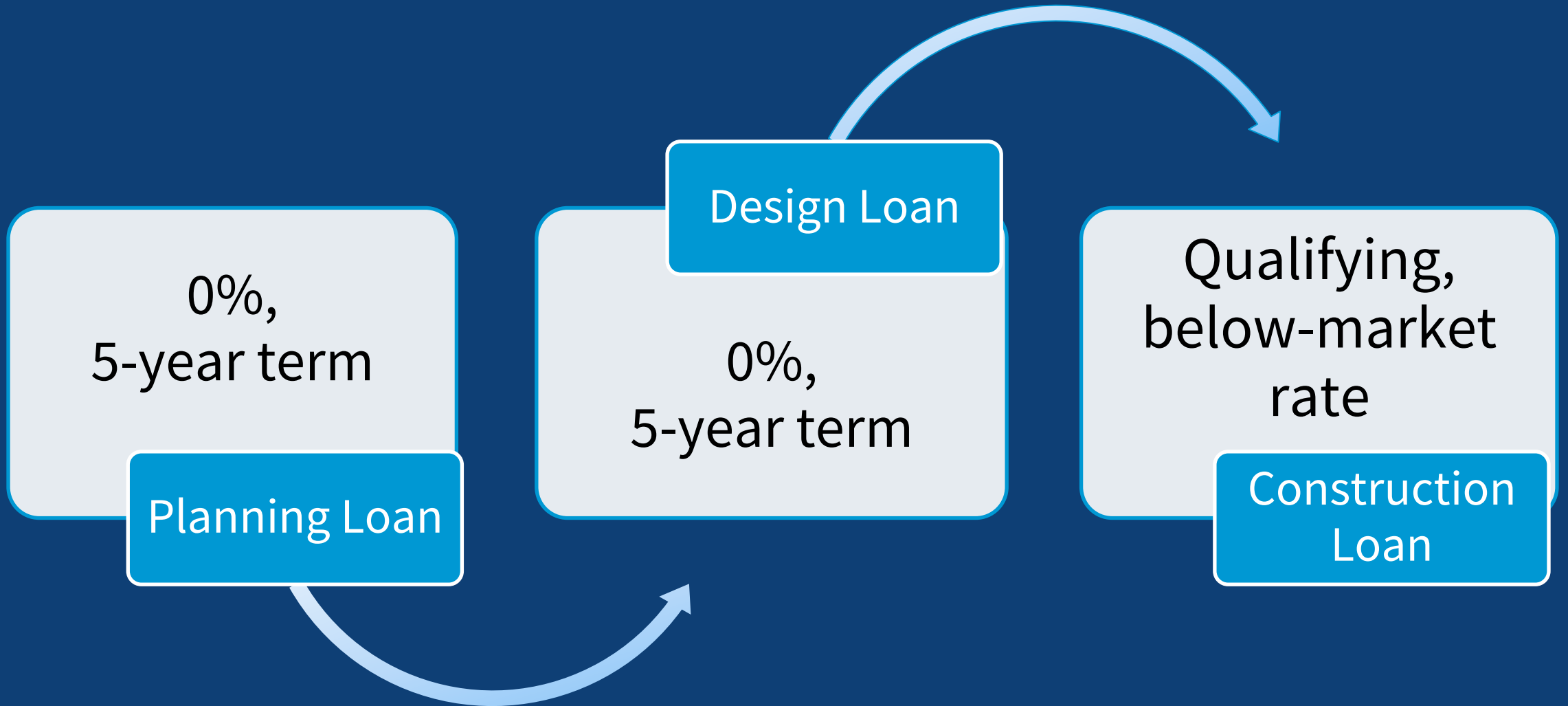


General SRF Process

- Project Planning
- Design
- Permit-to-Install/
Detail Plan Review
- Competitive Bidding
- Loan Awards
 - OWDA Board Meeting



Loan Types – Deferred Repayments



Rough Estimates of Ohio's Portion of IJA Funds for the SRF Programs

Year	Ohio's CWSRF Portion for Base Program	Ohio's CWSRF Portion for Emerging Contaminants	Ohio's DWSRF Portion for Base Program	Ohio's DWSRF Portion for Emerging Contaminants	Ohio's DWSRF Portion for Lead	Estimated Total
2022	\$102 M	\$5 M	\$45 M	\$19 M	\$71 M	\$242 M
2023	\$117 M	\$12 M	\$47 M	\$17 M	\$166 M	\$359 M
2024	\$128 M	\$12 M	\$52 M	\$17 M	\$184 M	\$393 M
2025	\$138 M	\$12 M	\$56 M	\$17 M	\$184 M	\$407 M
2026	\$138 M	\$12 M	\$56 M	\$17 M	\$184 M	\$407 M
Total*	\$623 M	\$53 M	\$256 M	\$87 M	\$789 M	\$1.808 B

Proportion of Total that can be awarded as PF	\$305 M	\$53 M	\$125 M	\$87 M	\$387 M	\$957 M
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WSRLA Program LSL Funding Options

Construction Financing

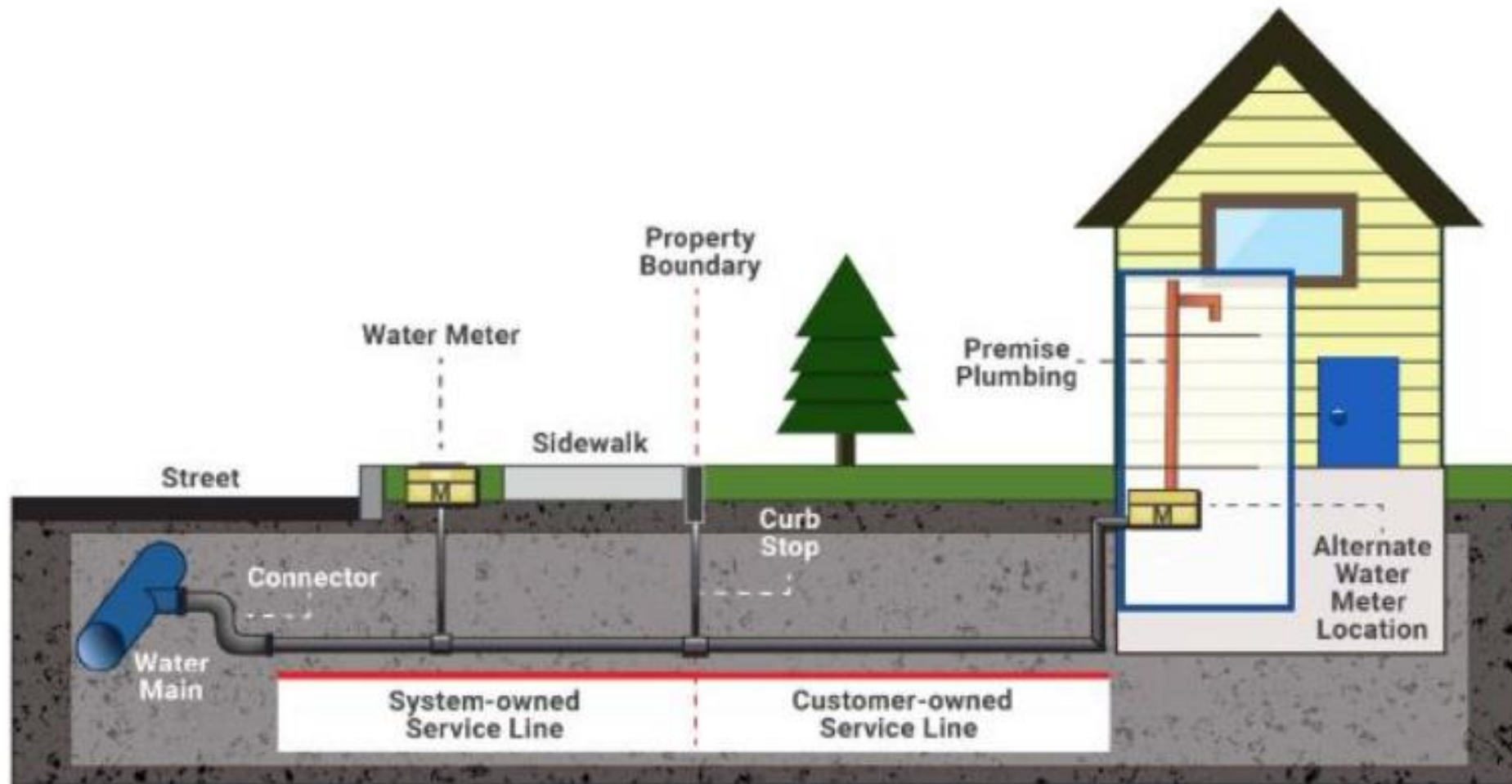
- 0% loans available
- For disadvantaged communities:
 - 53% of LSL costs as principal forgiveness, remainder at 0% interest financing
 - No population threshold for LSL disadvantaged community criteria

*Both private and public side replacement!



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Service Line Inventories



New Requirement, Not Lead Maps

LSL Direct Assistance

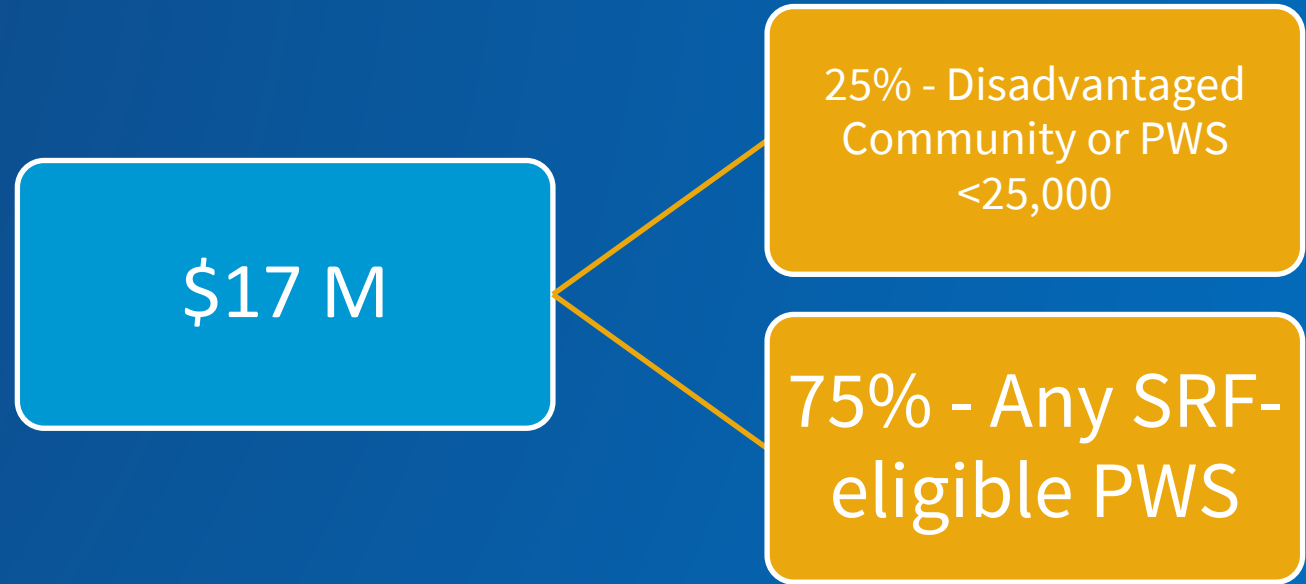
- Eligible activities
 - Historical Document Review
 - On-site Identification
 - Inventory Development
 - Replacement Plan Development
- PWS submits request form with project information
- Ohio EPA prioritizes projects and directs contractors



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Drinking Water Emerging Contaminants Projects

- ~\$17 million principal forgiveness per year 2022-2026
- Targeted at unregulated contaminants on U.S. EPA Contaminant Candidate Lists (CCL)
- Focus on PFAS projects
 - Better Source Water
 - Enhanced Treatment
 - Regionalization
- Potential for planning/design funding
- WIIN – Emerging Contaminants Grant
 - ~\$23 million/year
 - “small or disadvantaged”



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Wastewater Emerging Contaminants Projects

- ~\$12 million principal forgiveness per year 2022-2026
- Focus on PFAS projects
- Potential for planning/design funding
- Examples
 - Analytical Equipment
 - Sewershed Studies
 - Pretreatment

\$12M



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Funding Requirements

- Davis-Bacon Wage Rates
- American Iron and Steel
- Build America Buy America Act*
- Disadvantaged Business Enterprise
- Equal Employment Opportunity
- Federal Debarment
- Single Audit/SEFA Reporting*



*Federal funded projects



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Principal Forgiveness and Discounts

- Principal Forgiveness = grant-like funding
 - For disadvantaged communities and program priorities
 - Ready to proceed for construction
 - Limited availability, dependent on federal grant funding
 - Highly competitive
- Discounts – reduction of interest rate
 - Program Priorities: Regionalization, Water Reuse, Harmful Algal Blooms, Sponsorship Program

Principal Forgiveness Eligibility

WSRLA	
System Population	10,000 or less
Documented human health-related factors	Present
Water and sewer rates compared to MHI	≥ 2.5%
Median Household Income (MHI)	≤ \$61,938
Poverty Rate < 200% of Poverty Level	≥ 29.88
Unemployment Rate	≥ 5.26%

WPCLF	
MHI	\$61,938
Poverty Level	29.88%
Unemployment	5.26%
Percent Population Change	<150%

*Population not a factor for LSL or EC

3/4 Criteria

\$27.5 million/year for Ohio EPA in SFY 2024-2025 biennium. Ohio EPA focus areas:

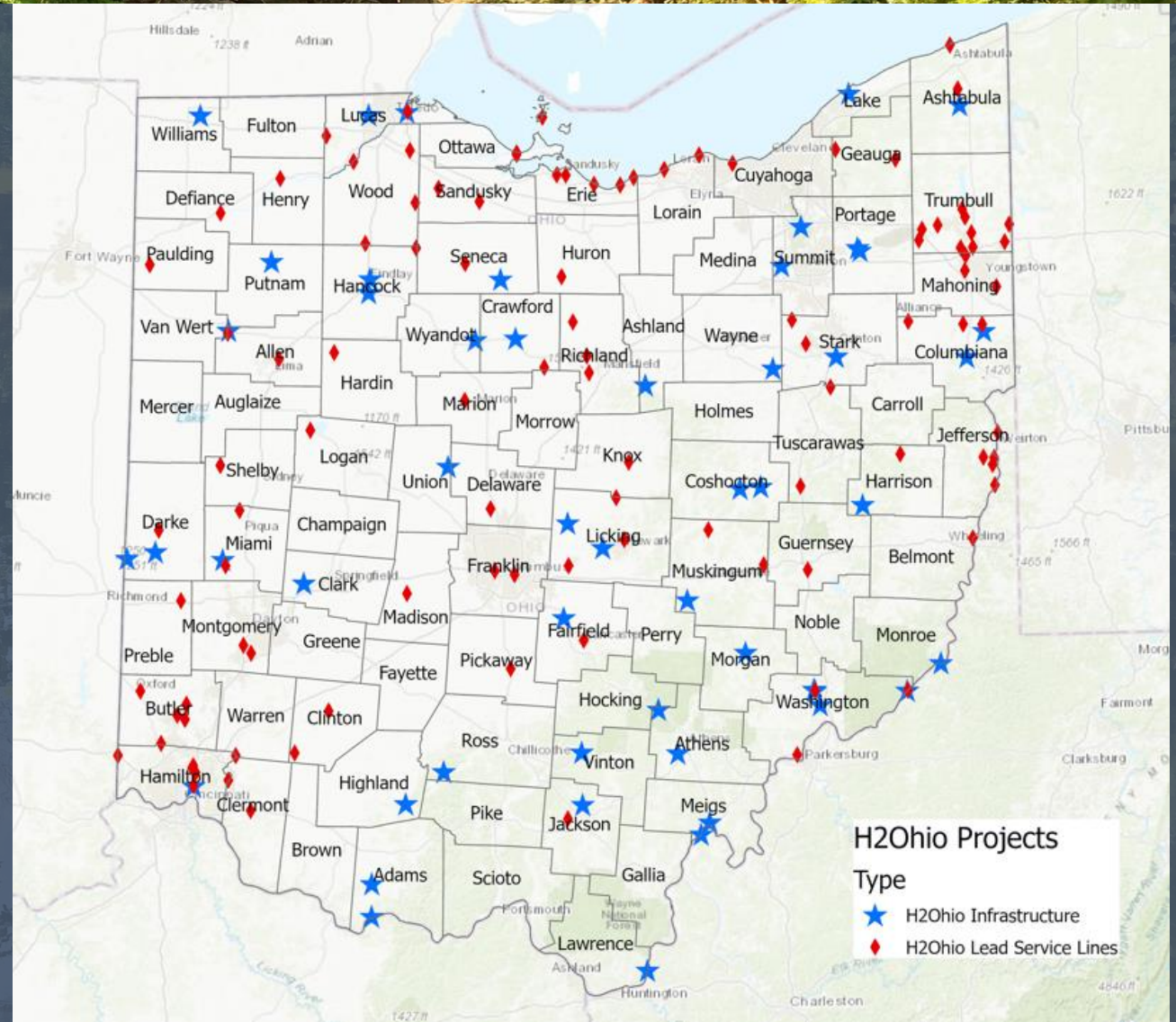
- **Water/Wastewater Infrastructure**
- **Drinking Water Distribution Equipment**
- **Chloride Reduction**
- **Water Quality Monitoring**
- **Dam Removal**
- Technology Assessment
- Water Quality Modeling
- HSTS Repair and Replacement
- LSL Identification/Replacement

The logo for H2Ohio features the text "H2Ohio" in a white, sans-serif font. The "2" is a simple numeral, and the "O" is a circle. Below the text are three white, stylized wavy lines representing water. The logo is set against a dark blue background that has a faint, light-colored map of Ohio overlaid on it.

H2Ohio

H2Ohio

- **>\$50 million over five years**
- **52 infrastructure projects**
- **>100 projects for lead identification or removal**
- **23 health districts supported**



H2Ohio

Drinking Water Distribution Equipment

Over 350 PWS!



DDAGW Financial Assistance

- November 2024
- DDAGW.Grants@epa.ohio.gov
- **Water Audit and Water Loss Grants**
 - Up to \$20,000
- **Well Abandonment Grants**
 - \$15,000/well
- **Emergency Generator Grants**
- **Source Water Protection Strategies Grants**

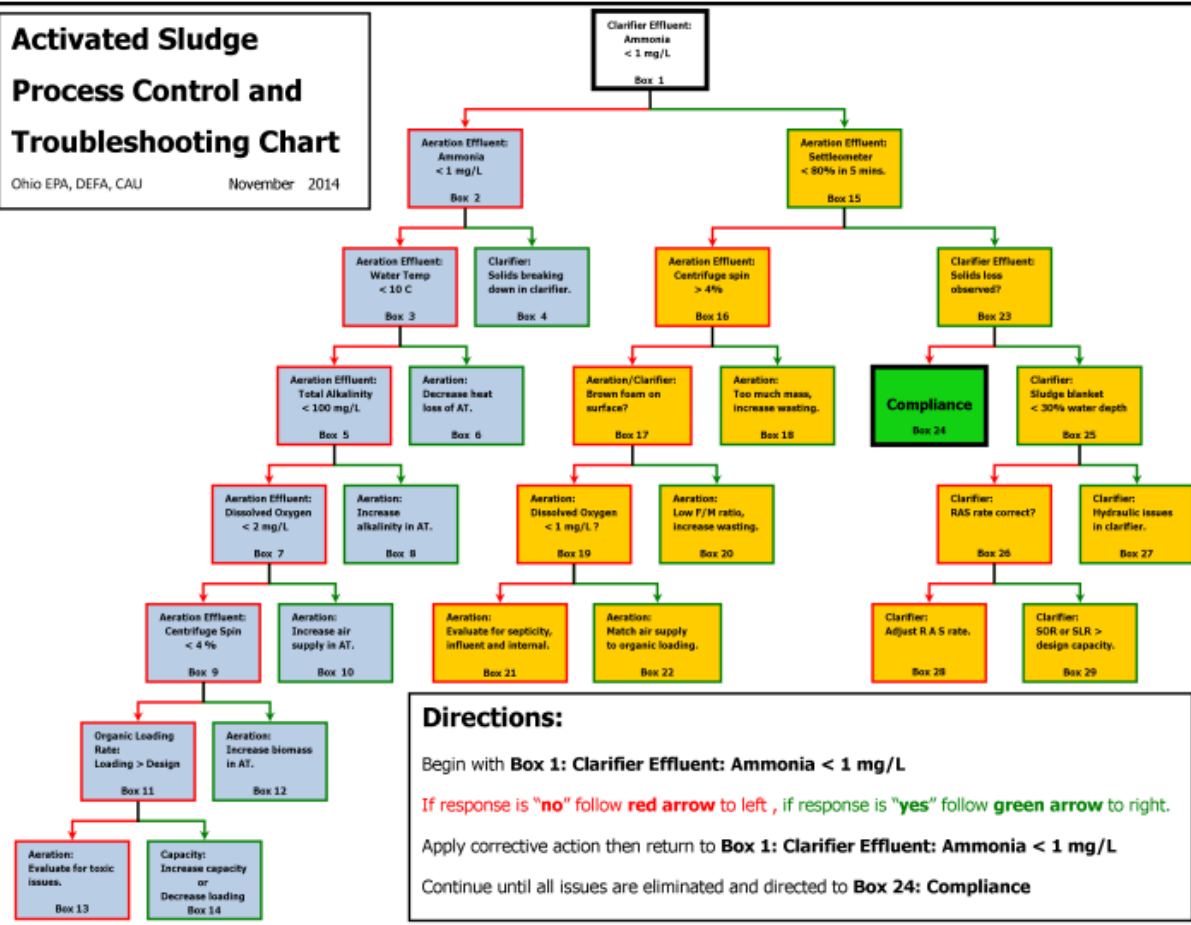
Technical Assistance

Activated Sludge Process Control and Troubleshooting Chart Methodology

Activated Sludge Process Control and Troubleshooting Chart

Ohio EPA, DEFA, CAU

November 2014



- DSW Wastewater Compliance Assistance Unit

- Activated Sludge Process Control

- Compliance with low-cost tools



SCEIG

The Ohio Small Communities Environmental Infrastructure Group (SCEIG) is an association of federal and state agencies, local governments and groups, service organizations, and educational institutions designed to help small communities in meeting their environmental infrastructure needs.

Contact:
800-775-9767

[Contact Us](#)

- SCEIG
- Present projects to finance agencies
- Learn about funding opportunities

2024 Meeting Schedules

SCEIG General Body

Monday, March 4, 2024

Tuesday, June 4, 2024

Tuesday, September 10, 2024

Tuesday, December 3, 2024

Finance Committee

February 9, 2024

April 12, 2024

June 13, 2024

August 8, 2024

October 10, 2024

December 12, 2024

Appalachia Environmental Infrastructure Group

January 18, 2024

July 18, 2024

Water Technical Assistance (WaterTA)



- US EPA
- Identifying lead pipes for removal
- Enhancing resilience against cybersecurity threats
- Identifying climate adaptation strategies
- Providing resources for workforce development
- Addressing stormwater challenges
- Complying with the Safe Drinking Water and Clean Water Acts

Rate Survey open until October 18!

2022 Sewer and Water Rate Survey Wastewater Rates

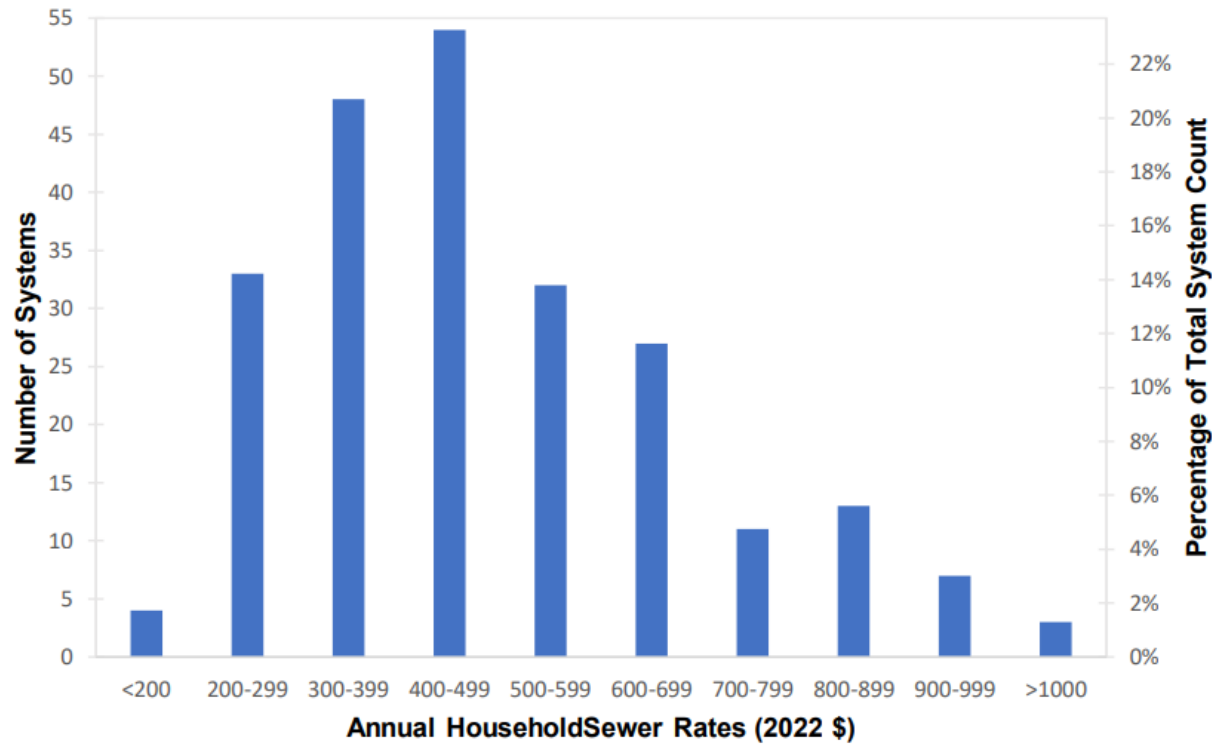


Figure 2: 2022 Annual Sewer Rate Distribution Using 4,000 gal/mo.

Table 1: Descriptive Statistics for Annual Household Sewer Rates (n=233)

	Annual Sewer Rates [\$ / yr]	
	Reported Sewerage Use	4,000 gal/mo Use
Median	432.75	453.49
Mean	482.27	489.95
St. Dev.	216.70	199.33
Minimum	24.00	24.00
Maximum	1,151.28	1,125.09

Rate Survey open until October 18!

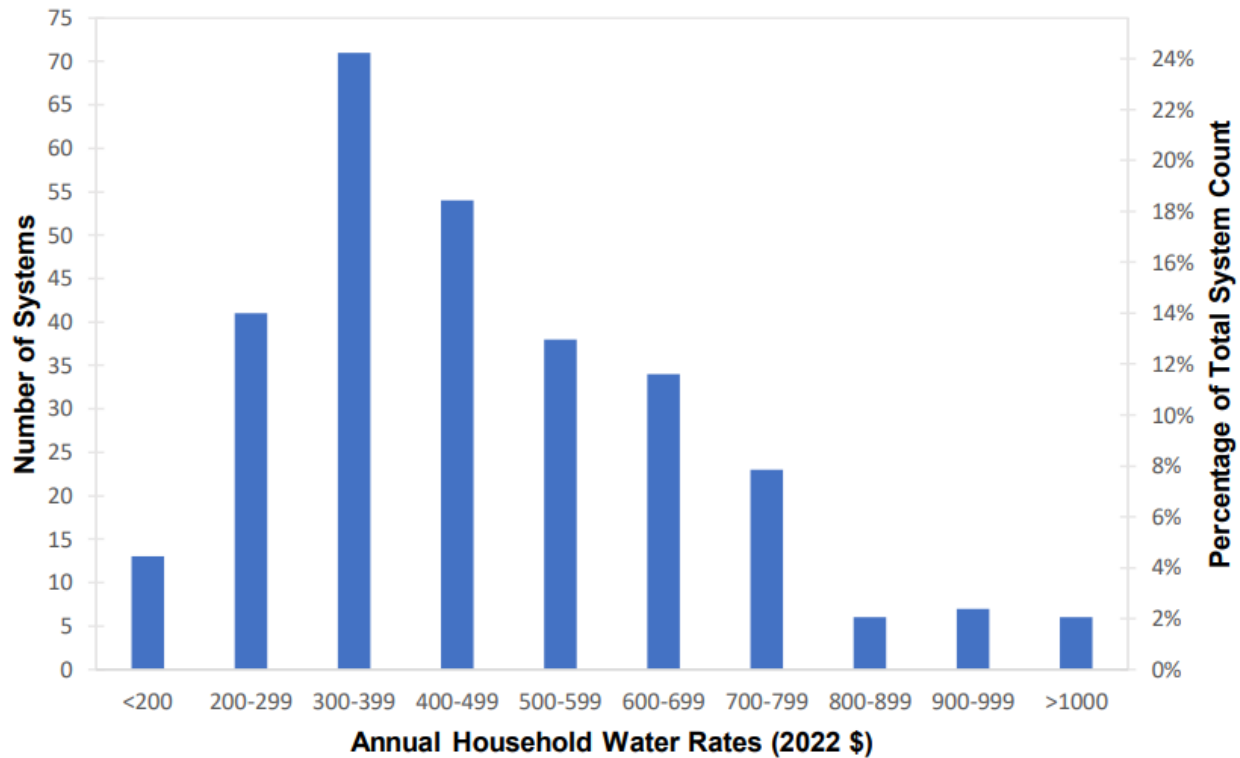


Figure 4: 2022 Annual Water Rate Distribution Using 4,000 gal/mo.

2022 Sewer and Water Rate Survey
Water Rates

Table 2: Descriptive Statistics for Annual Household Water Rates (n=295)

	Annual Water Rates [\$/yr]	
	Reported Water Demand	4,000 gal/mo Use
Median	427.98	421.72
Mean	466.03	476.93
St. Dev.	202.47	207.78
Minimum	24.00	24.00
Maximum	1,270.60	1,339.84

How to Participate and Stay Engaged

- Comments and questions to:
[*infrastructurefunding@epa.ohio.gov*](mailto:infrastructurefunding@epa.ohio.gov)
- Materials will be posted on Ohio EPA website
- Follow DEFA newsletters
- Follow Ohio EPA on social media
- Follow SRF program announcements



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Thank You

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