Ohio EPA-DEFA's Technical & Financial Resources for Communities

Operator Training Committee of Ohio

July 26, 2018

Ohio EPA
Division of Environmental and Financial Assistance

Ohio Environmental Protection Agency

What is DEFA About?

DEFA houses several of the Agency's core programs that support business and community development.

DEFA has two main offices:

Office of Financial Assistance

Office of Compliance Assistance & Pollution Prevention

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Recycling and Litter Prevention

R&LP grant funding:

- Strengthen recycling markets
- Encourage sustainable practices
- Stimulate economic growth
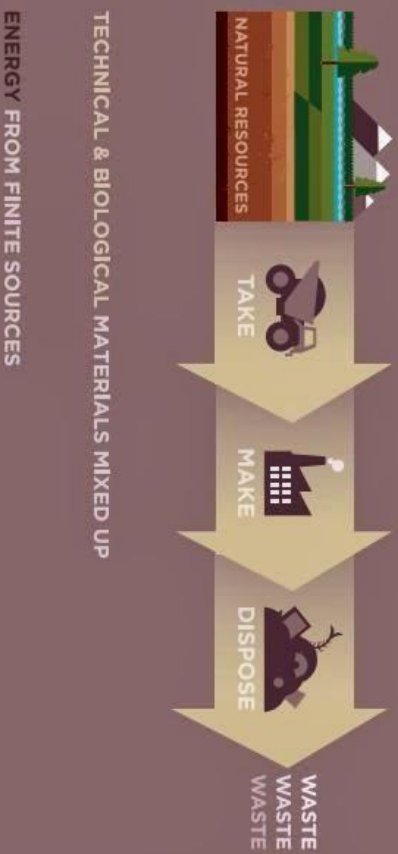- Support litter prevention efforts

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What is OCAPP?

- **O**ffice of **C**ompliance **A**ssistance & **P**ollution **P**revention

- Non-regulatory
  (we're not inspectors!!!)

- Free & Confidential

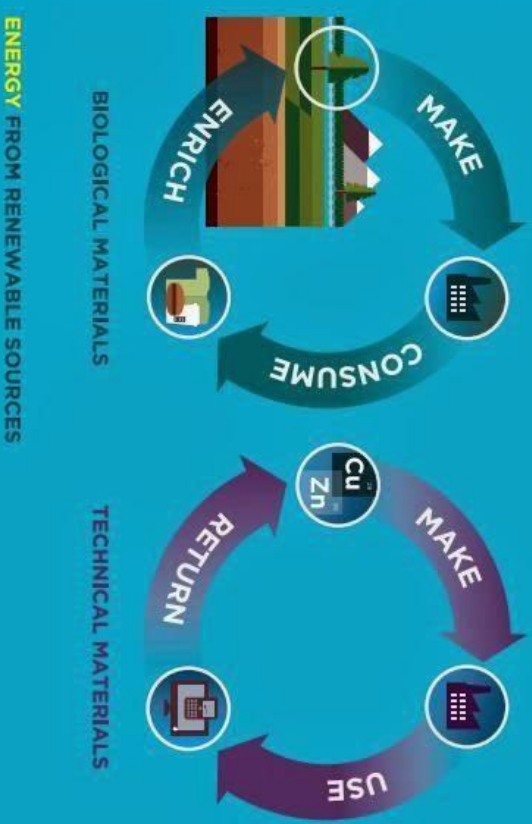- One-stop shop for assistance

- Pollution Prevention will save Money

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Ohio Materials Marketplace

Encouraging Environmental Excellence (E3) Program

- **Recognizes going beyond requirements**
- **4 Levels of Recognition**
  - Achievement
  - Silver
  - Gold
  - Platinum
  - Contact:
  - **Mike.Kelley@epa.ohio.gov**
- **We will work with you**

Wastewater Treatment Plant Compliance Assistance Unit

- Help you to identify performance limiting factors and cost-effective solutions.

- Help you to explore and consider options.

- Help you to optimize process, save energy and cost.

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How DEFA Can Help

- **Compliance Assistance**
- **Pollution Prevention**
- **Recycling Market Development**

- **Compliance Assistance**
- **Pollution Prevention**

- **Compliance Assistance**
- **Pollution Prevention**
- **Recycling/Litter Prevention**

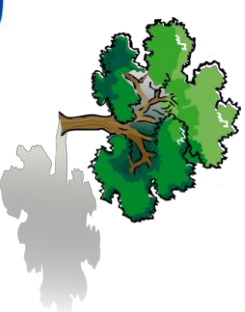drinking water

wastewater

sewage

sludges/solids

Compliance Assistance

discharge

water intake

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hio

Build Your Support Team

CDBG

OPWC

OWDA

USDA

ARC

EDA

SCEIG

RCAP

OTCO

ORWA

Ohio EPA

Appalachian LDDs

Other Resources

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Tips for a Successful Project

1. Coordinate **Early** with OEPA and Other Resources.

2. Know About the Available Resources.

3. Keep Public Involved.

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Small Communities Environmental Infrastructure Group (SCEIG)

Helping Small Communities meet their Water & Wastewater System Needs

Ohio's Two State Revolving Loan Funds

Water Supply Revolving Loan Account (WSRLA)

WSRLA provides funding to public water systems for planning, design, and construction of drinking water systems.
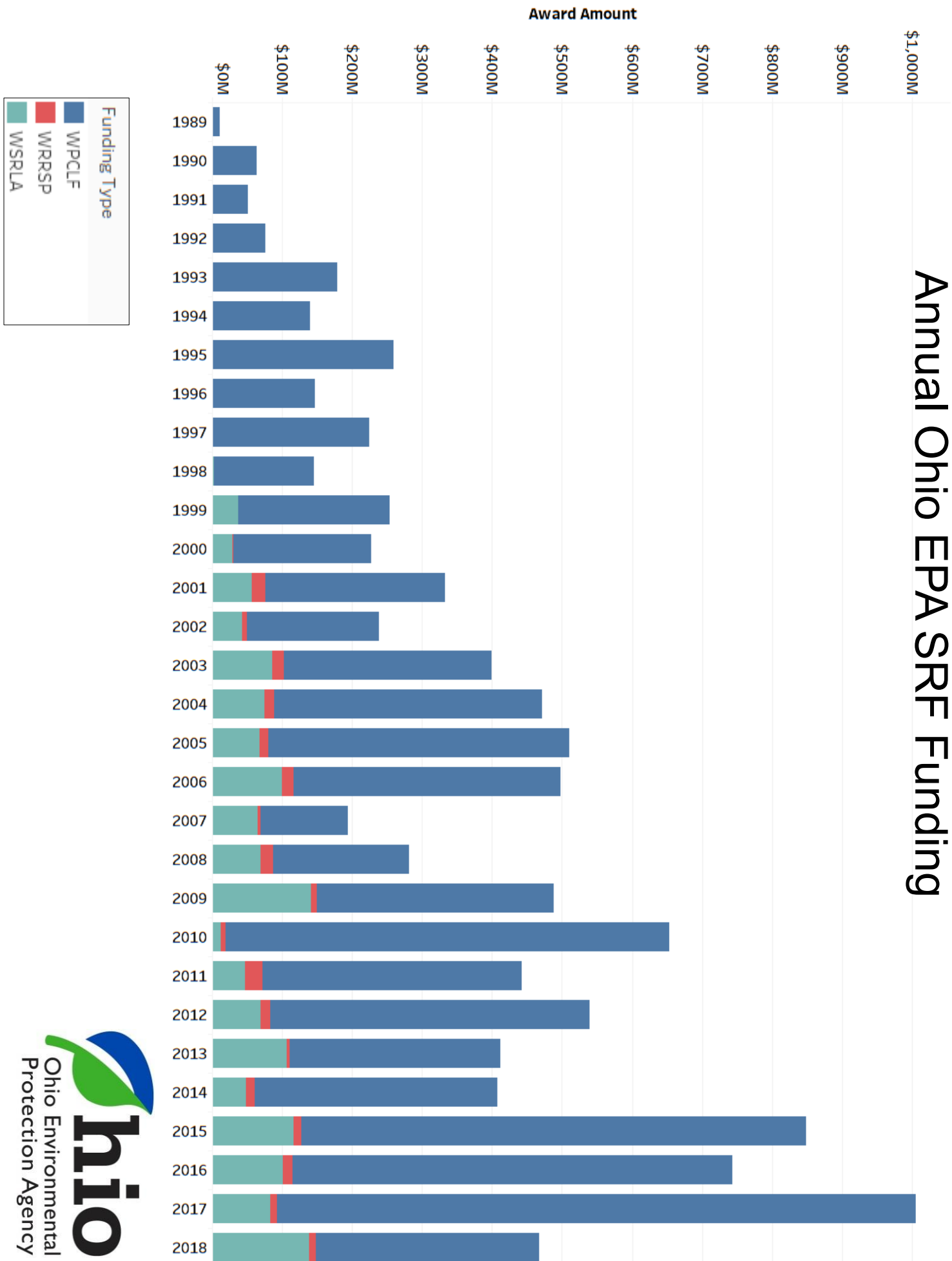

Water Pollution Control Loan Fund (WPCLF)

WPCLF provides funding to public wastewater systems for planning, design and construction of wastewater systems.
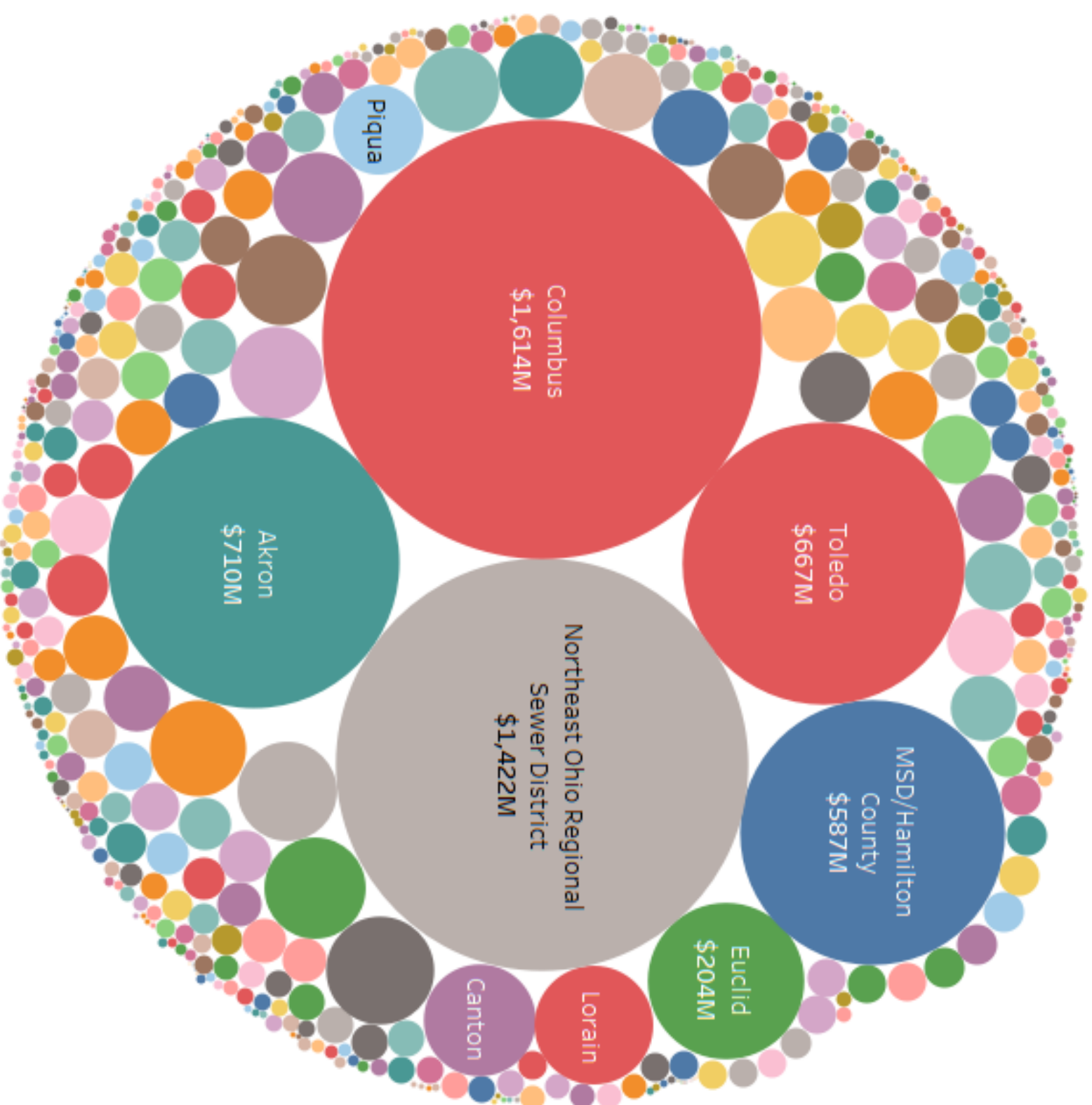
Ohio's Two State Revolving Funds
Program Histories

	WPCLF	WSRLA
Authorization (year)	CWA 1987	SDWA 1996
First Loan	Sept. 1989	Feb. 1999
Total Projects	2,218 projects - $8.9 billion	642 loans - $1.4 billion
Federal Seed Money	$2.2 billion	$563 million
State Matching Funds	$441 million	$112 million
Annual Capacity	$600 million/year	$150 million/year

Annual Ohio EPA SRF Funding

WPCLF

547 Entities
$8.9 Billion

Columbus
$1,614M

Akron
$710M

Toledo
$667M

Northeast Ohio Regional
Sewer District
$1,422M

MSD/Hamilton
County
$587M

Euclid
$204M

Lorain

Canton

Piqua

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WSRLA

265 Entities
$1.4 Billion

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Ohio's Two State Revolving Funds
Eligible Applicants

	WPCLF	WSRLA
	For wastewater treatment: any municipality or other political subdivision, or inter-municipal, interstate, or State agency	Community Water Systems Non-profit, Non-Community Public Water Systems
	For Nonpoint Source Pollution Control Projects: Public or private entities	

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Water Pollution Control Loan Fund

WPCLF

Eligible Projects

- New wastewater treatment plants (WWTP)

- WWTP upgrades and rehabilitation

- New sanitary sewers for unsewered areas

- Sanitary sewer rehabilitation or replacement

- **Stormwater Projects**

- NPS Projects:

  - Stream protection and stream restoration

  - HSTS replacement programs

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Water Supply Revolving Loan Account
WSRLA

Eligible Projects Include:

New water treatment plants

New waterlines

Water tanks/towers

Regionalization projects

Standby/back-up power

Emergency interconnections

Water treatment plant rehab

Waterline rehab/replace

Pump/booster stations

New water meters

New well fields

Asset Management Plans

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WPCLF and WSRLA Funding

Funding to Entities

- $7.0K
- $1.75B

Sum of Funding

- $635K
- $2.0B

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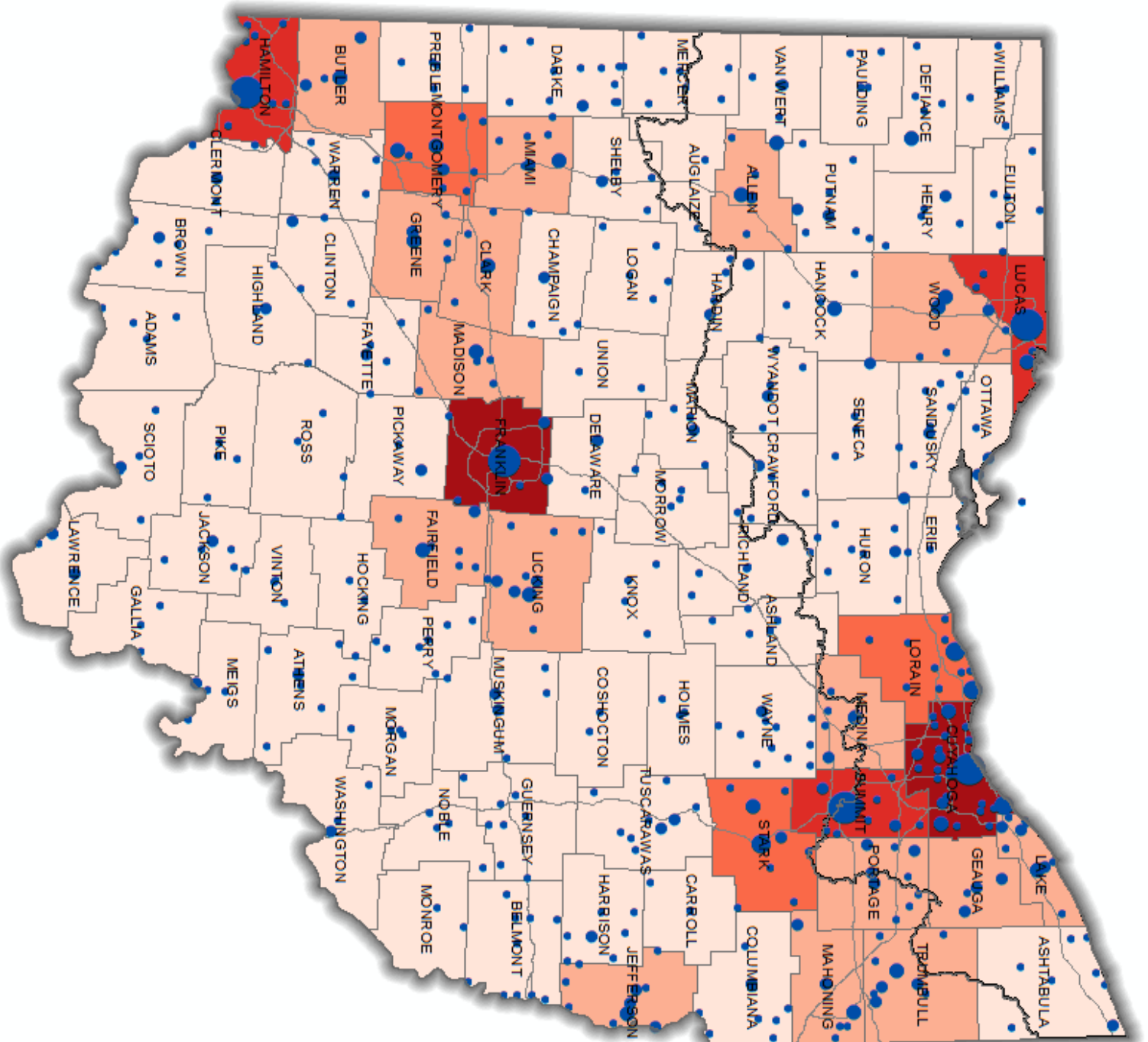
Funding Priorities for WPCLF

- **Regionalization**
- Unsewered communities
- Combined Sewer Overflow (CSO) projects
- Projects that Reduce "nutrient" discharges at municipal WWTPs
- Projects that will protect Lake Erie and other waters that experience Harmful Algal Blooms (HABs)

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Funding Priorities for WSRLA

- **Regionalization**
- Continued focus on small & disadvantaged communities
- Auxiliary power
- Asset Management Planning
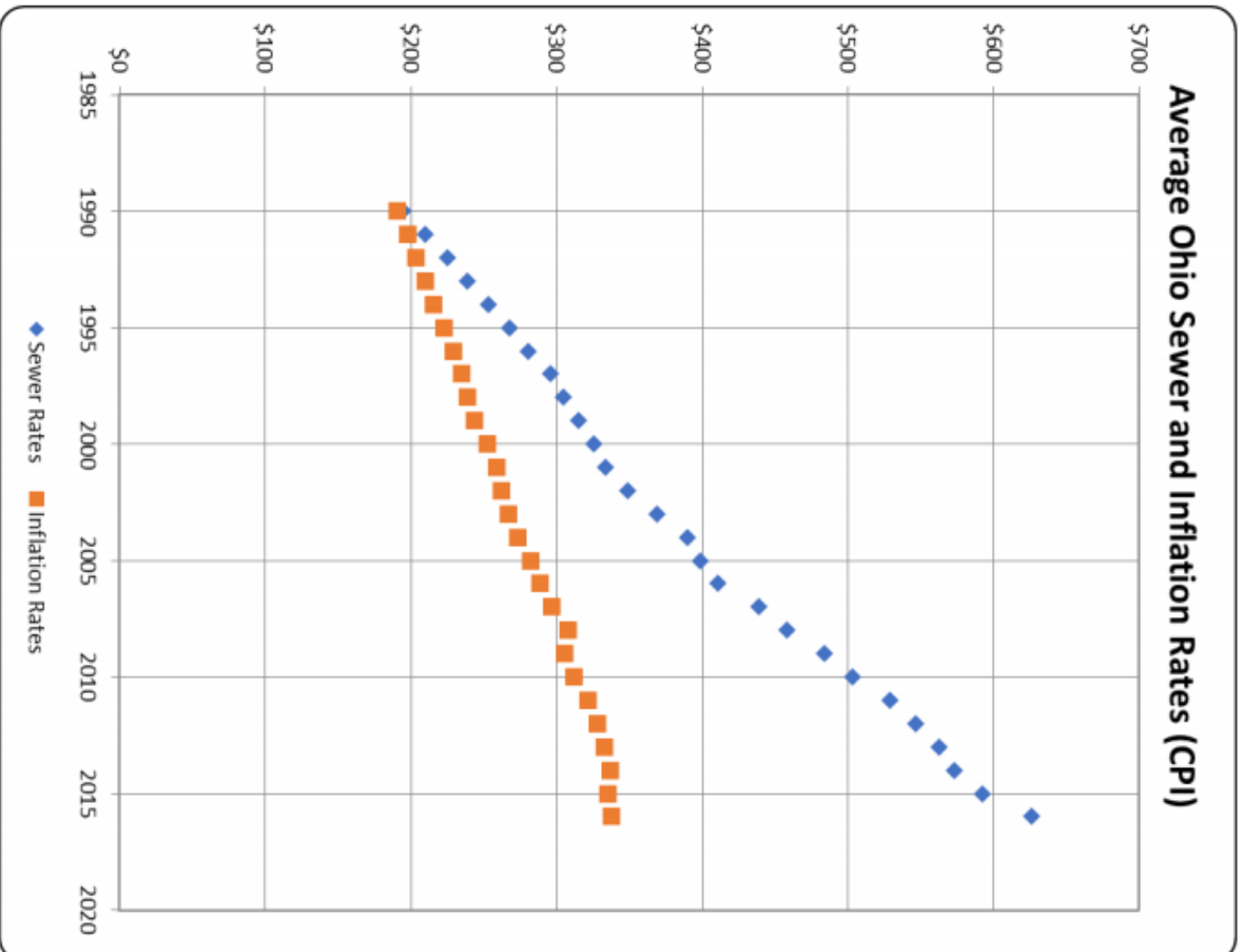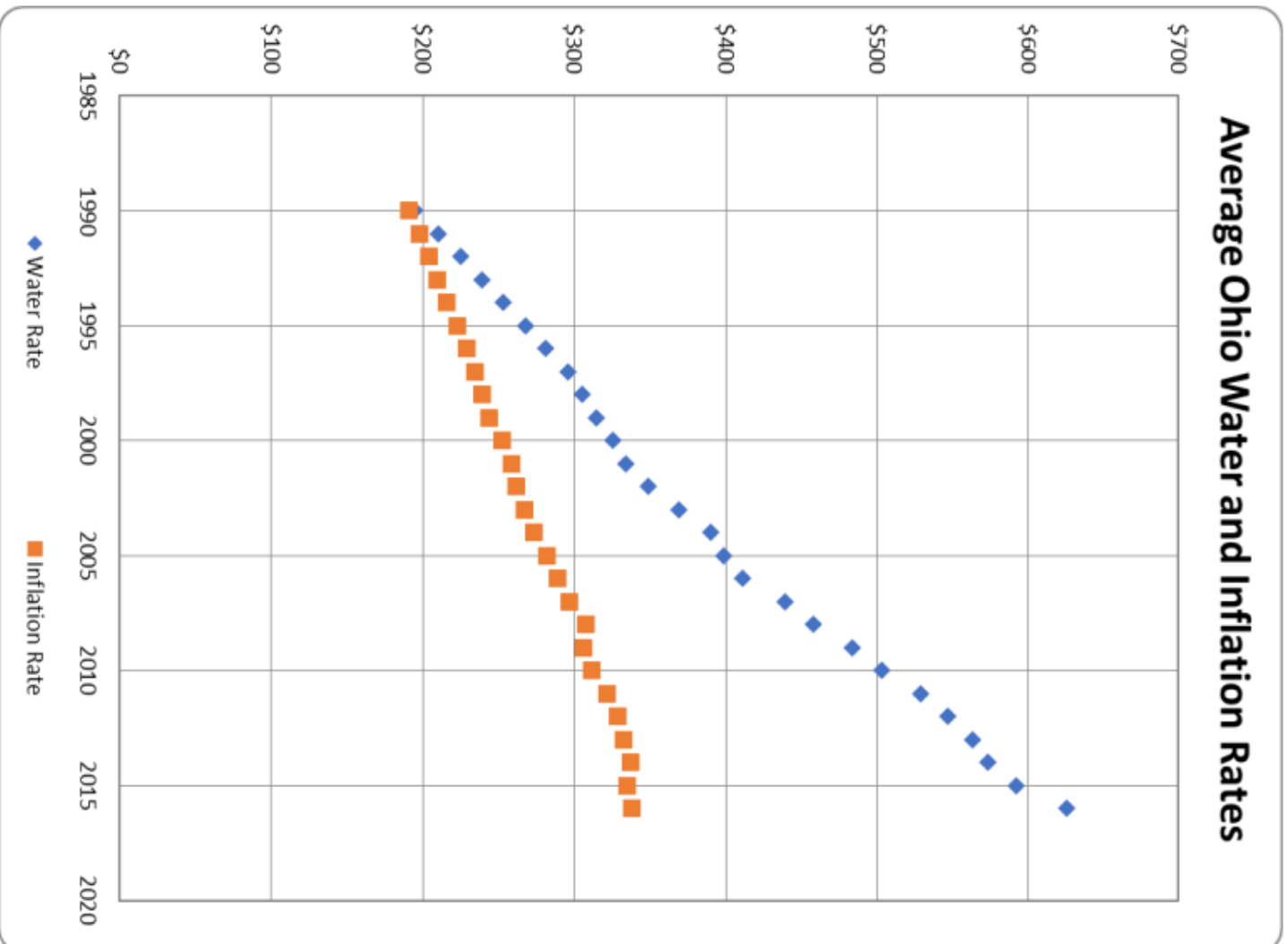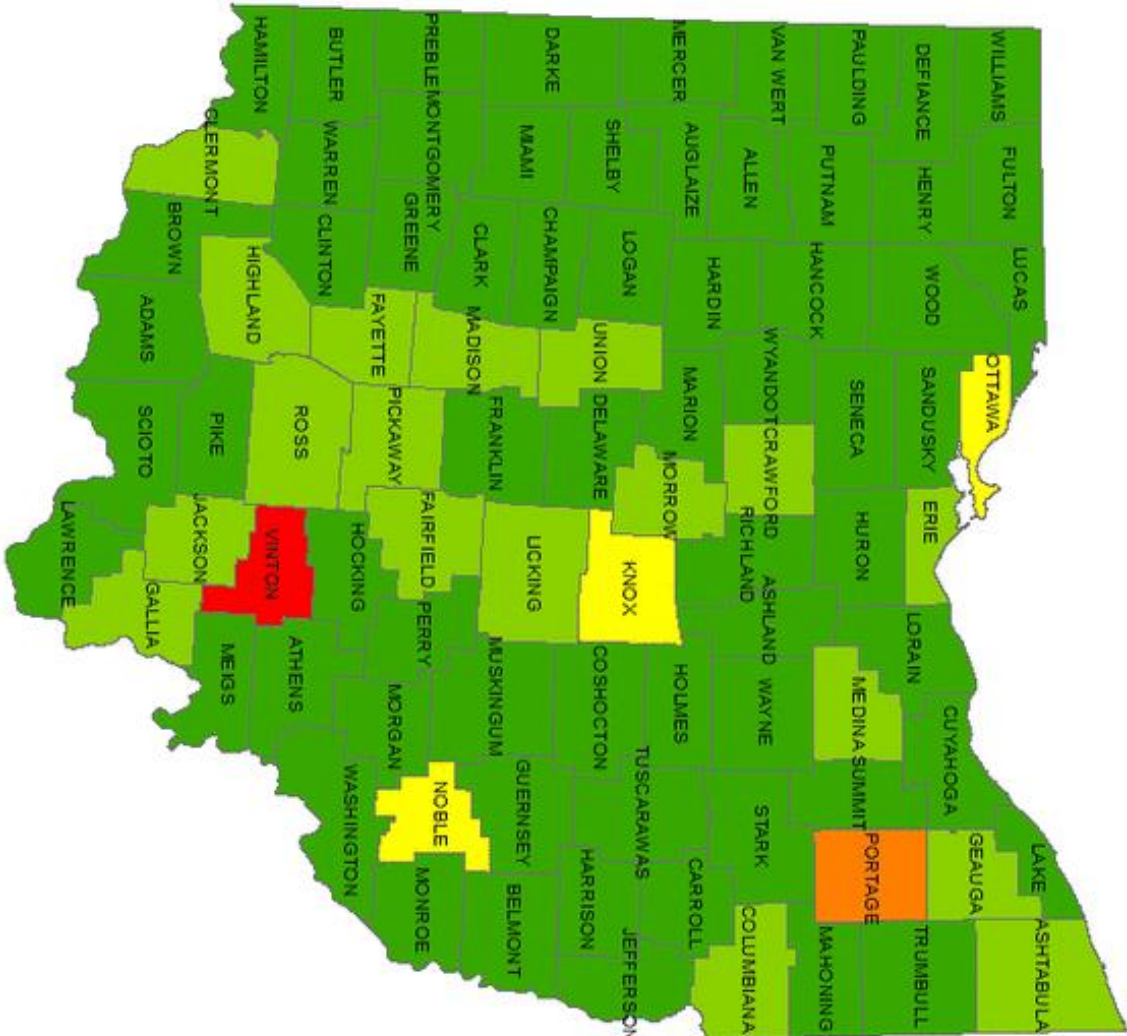- Improvements at surface WTPs to address Harmful Algal Blooms

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Average Ohio Sewer and Inflation Rates (CPI)

Figure 1: Annual Average Sewer and Inflation Rates 1990-2016

Figure 3: Annual Average Water Rates and Inflation 1990-2016

Average Ohio Water and Inflation Rates

Legend:
- ◆ Water Rate
- ■ Inflation Rate

Y-axis: $0, $100, $200, $300, $400, $500, $600, $700

X-axis: 1985, 1990, 1995, 2000, 2005, 2010, 2015, 2020

2015 Ohio EPA Sewer and Water Rate Survey

County Average Sewer Rate

2004

Color	Range
Dark Green	$211.50 - $470.50
Light Green	$470.51 - $596.50
Yellow	$596.51 - $724.50
Orange	$724.51 - $857.50
Red	$857.51 - $968.00

Lower Interest Rates = Big $avings

Compared to market rates, savings are substantial
Example: $1 Million Loan, 20 Year Term, July 2018 Rates

Interest Rate	Total Repayments	Savings vs. Market
Market (3.40%)	$ 1,386,399	-------------
Standard (2.15%)	$ 1,235,645	$ 150,754
Small (1.65%)	$ 1,178,140	$ 208,259
Hardship (1%)	$ 1,105,820	$ 280,579
Hardship (0%)	$ 1,000,000	$ 386,399

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Financial Incentives

WPCLF

- ~$30,000,000 in Principal Forgiveness (PF)

- PF Loans to Local Health Districts for **HSTS repair and replacement** programs

- PF for **back-up power** ($50,000 per project)

- PF for **unsewered areas, CSOs, sewer/WWTP repair and replacement** (must meet Affordability Criteria)

- 0% funding for **Nutrient Reduction Projects**

- 0% funding for **Planning/Design loans**

Call for Nominations: month of August

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Financial Incentives

WSRLA

- **~$14,000,000 in Principal Forgiveness (PF)**
- PF for **Asset Management Plans** – up to $10,000
- PF for emergency connections (up to $50,000)
- PF for gaseous chlorine conversion (up to $10,000)
- PF for **disadvantaged communities, regionalization, and human health projects.**
- Grants for **back-up power** ($10,000 per project) – PWS w/o generator who serve <2,000 people
- 0% funding for **HAB projects**
- 0% funding for **full lead service line replacement**
- 0% funding for **Planning/Design loans**

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Questions?

Contact Us

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