

Ohio EPA

Overview of the Services Provided by the Division of Environmental and Financial Assistance

October 17, 2019

Our Division

Division of
Environmental and
Financial Assistance
(DEFA)

Office of Financial
Assistance (OFA)

Office of Compliance
Assistance and
Pollution Prevention
(OCAPP)

Estimate of Ohio's 20-year Infrastructure Needs

Clean Watersheds Needs Survey – January 2016
(Wastewater needs)

\$14.5 Billion

Drinking Water Needs Survey – April 2013

\$12.2 Billion

What are these Infrastructure Needs?

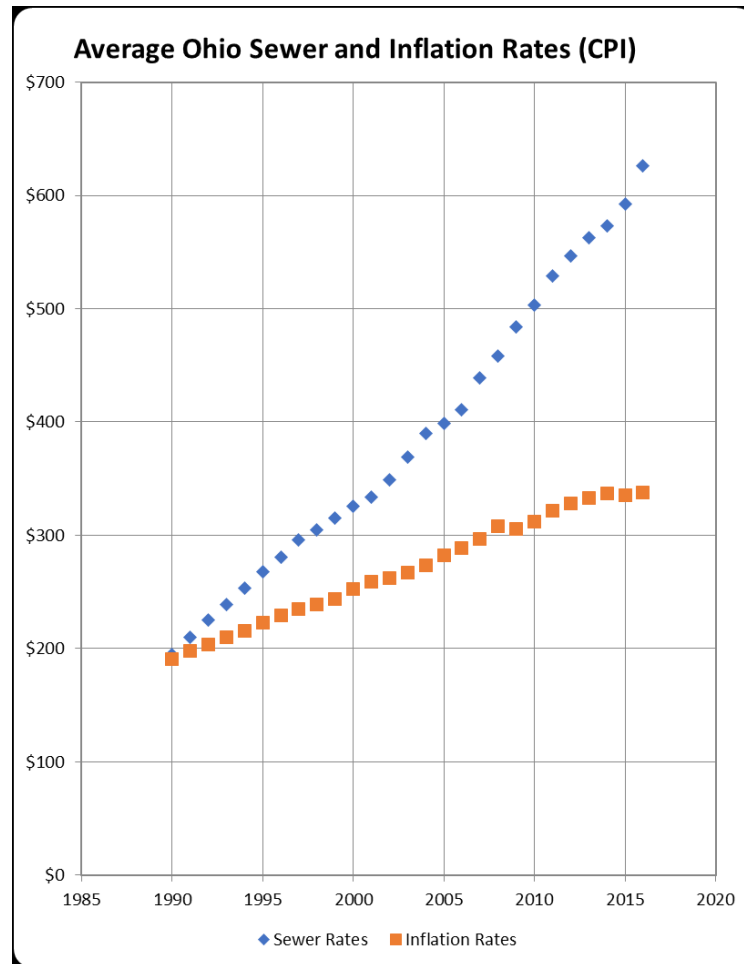
Wastewater

- Aging Infrastructure
- Combined Sewer Overflows
- Improved Treatment
- Expanding Capacity
- New Sanitary Sewers
- Storm water Needs
- Home Sewage Treatment
- Nonpoint Source Pollution
- Stream & Wetland Restoration

Drinking Water

- Aging Infrastructure
- Inadequate Treatment
- Harmful Algal Blooms
- Lead Service Lines
- Emerging Contaminants
- Asset Management Planning
- Needs for interconnections
- Waterline extensions
- Emergency Power

Water and Sewer Service Costs Increasing



Office of Financial Assistance (OFA)

- Administers both state revolving loan fund programs
 - Water Pollution Control Loan Fund (WPCLF)
 - Water Supply Revolving Loan Account (WSRLA)
- Administers the wastewater treatment facility compliance assistance program

Office of Financial Assistance (OFA)

Project Teams

- WPCLF
 - Environmental Engineer
 - Environmental Planner
 - Project Coordinator
- WSRLA
 - District Coordinator
 - Environmental Planner
 - Project Coordinator

State Revolving Funds

Water Pollution Control Loan Fund (WPCLF)

WPCLF provides funding to public wastewater systems for planning, design and construction of wastewater systems.



Water Supply Revolving Loan Account (WSRLA)

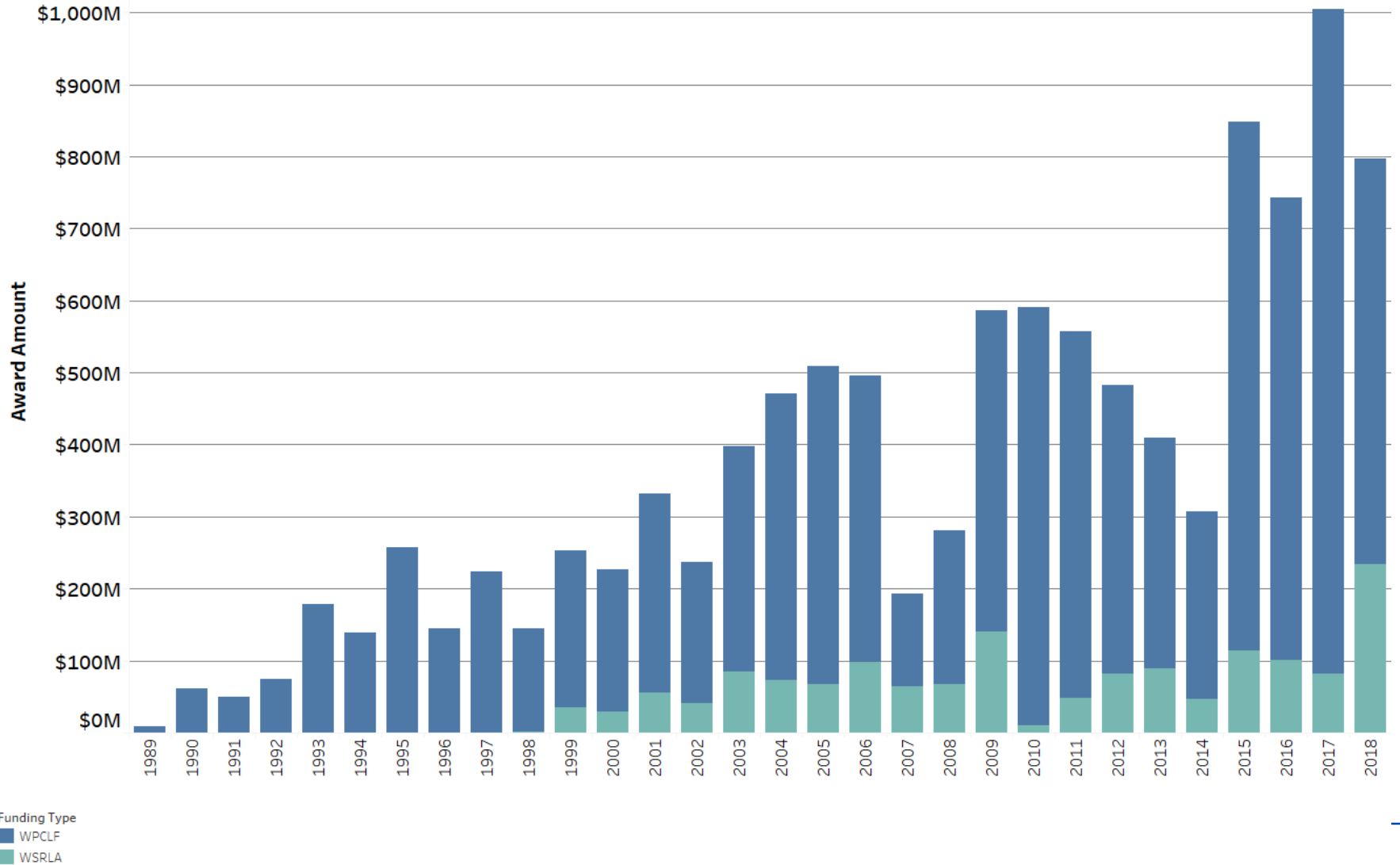
WSRLA provides funding to public water systems for planning, design, and construction of drinking water systems.



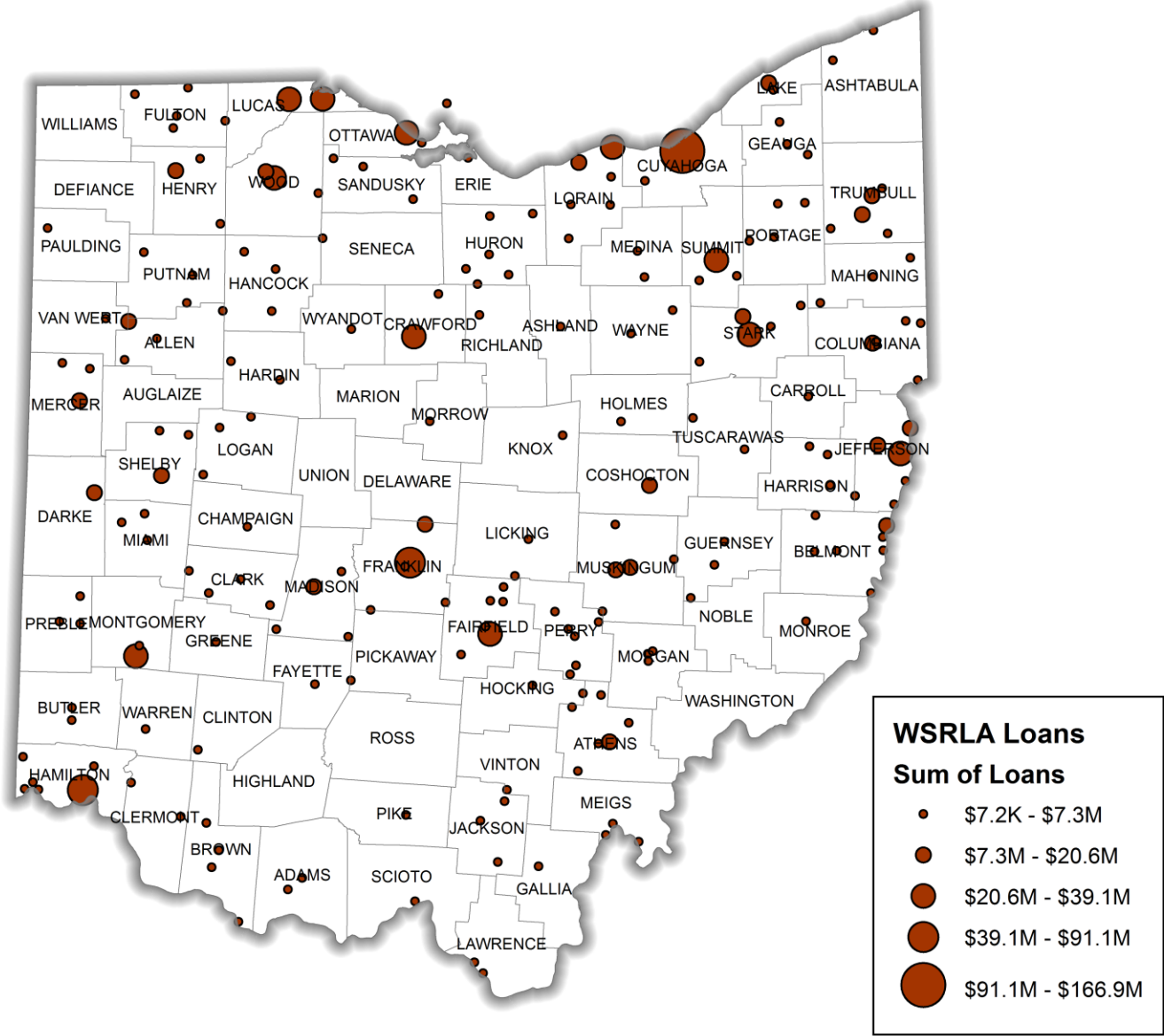
Ohio's Two State Revolving Funds Program Histories

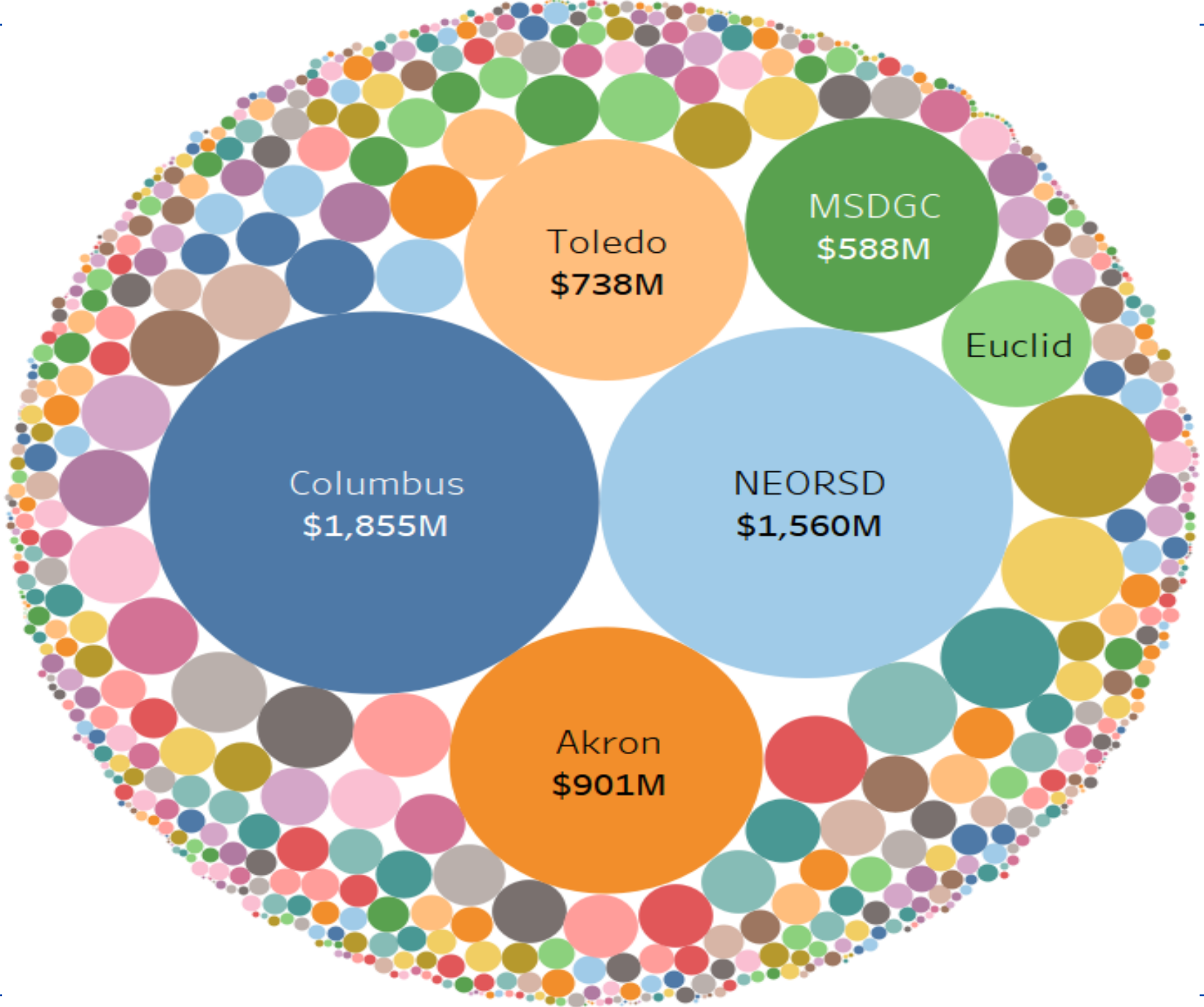
	WPCLF	WSRLA
This is what we have accomplished over 30 years		
First Loan	Sept. 1989	Feb. 1999
Total Loans	Over 2,400 Projects	Over 633 Projects
Total Investment In Ohio	Over \$ 9.0 Billion	Over \$ 1.4 Billion
Total estimated Savings for Communities	\$1.3 Billion	\$210 Million
Sustainable Annual Capacity	Over \$500 million/year	\$150 million/year

WPCLF and WSRLA Funding



WSRLA Funding in Ohio





Wide Range of Projects and Applicants

	WPCLF	WSRLA
Smallest Loan	\$4,500	\$7,000
Largest Loan	\$285 million	\$44 million
Average Loan	\$3.9 million	\$2.2 million
# Loans/year (last 4 years)	146	56

WPCLF Program

- Planning, design, and construction loans
- Projects ranked for funding in terms of financial need and water quality benefits
- Funding for municipal wastewater infrastructure
- Funding for storm water projects
- Funding for state-approved non-point source projects

WPCLF Highlights from 2018

(January 1, 2018 – December 31, 2018)

- 173 projects awarded, totaling \$579M
- 7 planning loans, 23 design loans, 143 construction loans
- 71 health districts received a total of \$10.2 million in principal forgiveness (PF) funds for HSTS improvements
- 11 projects were awarded under the Water Resource Restoration Sponsor Program
- 17 projects received principal forgiveness funds totaling \$15.2M
- Loans ranged in size from a \$49,000 to \$86.8M

WPCLF Discounts & PF in 2019

Discounts and Principal Forgiveness (PF) Available in 2019

- Nutrient Reduction Discount – 0%
- Combined Sewer Overflow Discount – 0%
- Green Project Discount – 0.25% reduction
- Water Resource Restoration Sponsor Program Discount
- PF for Household Sewage Treatment Systems (HSTS)
- PF for WWTP and sanitary sewer projects
- PF for regionalization projects

What's eligible?

- Almost any project with a water quality benefit
- Publicly-owned treatment works (improvements, water efficiency, energy, security)
- Nonpoint source management program projects
- Household sewage treatment systems
- Storm water projects
- Reusing/recycling wastewater & storm water

Water Pollution Control Loan Fund

Eligible Projects Include:

- New wastewater treatment plants (WWTP)
- WWTP upgrades and rehabilitation
- New sanitary sewers for unsewered areas
- Sanitary sewer rehabilitation or replacement
- CSOs (New Incentives)
- Nutrient Reduction (Incentive)
- NPS Projects:
 - Stream protection and stream restoration
 - Landfill closure
 - HSTS replacement programs



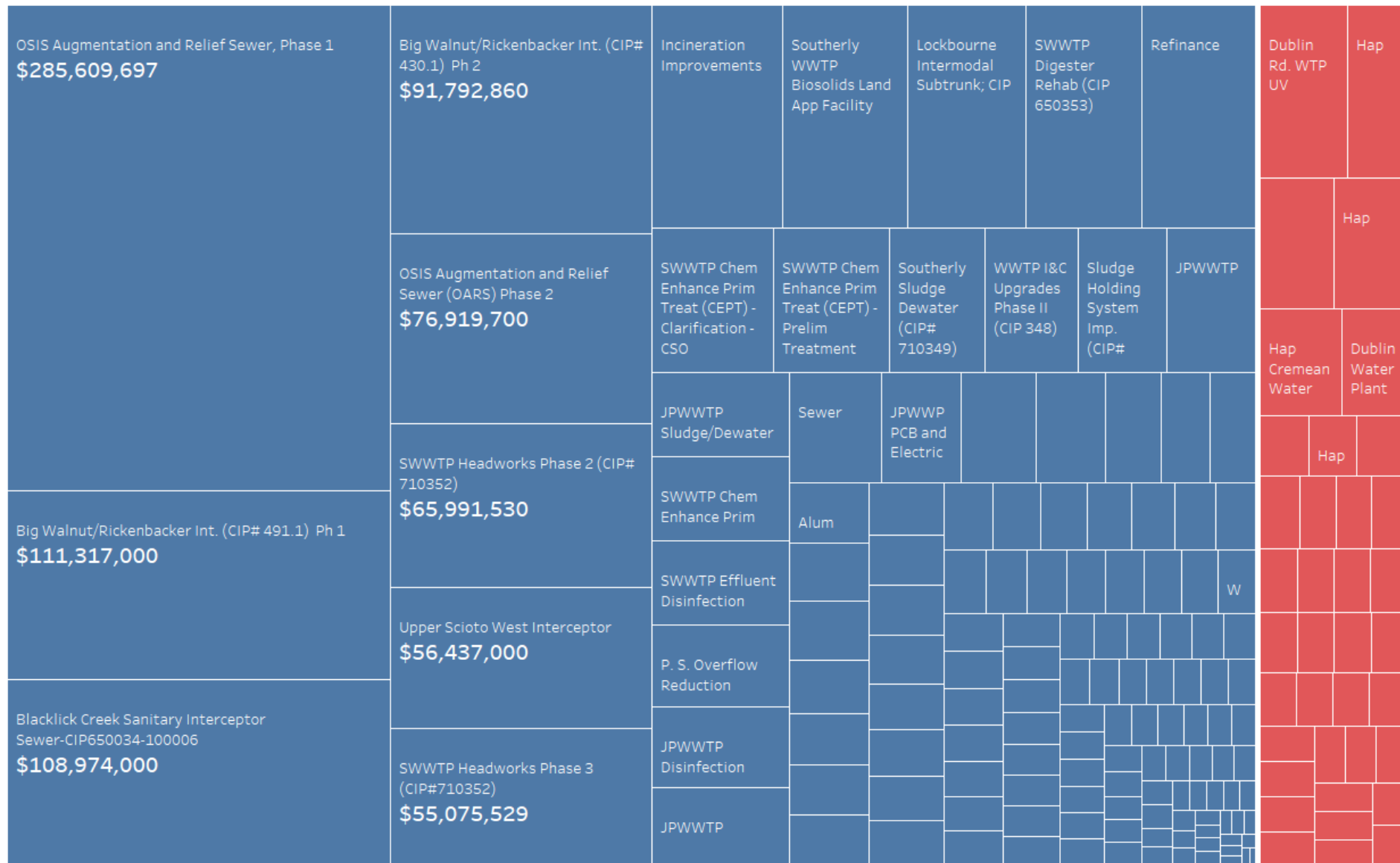








\$1.8 billion in Columbus SRF Loans



Funding Type
■ WPCLF
■ WSRLA

\$55 million in Blueprint Columbus Loans

Blueprint Clintonville (GI) Part 1 - Blenheim/Glencoe \$9,459,159	Blueprint Clintonville (GI) Part 3 - Morse/Dominion \$5,658,402	Blueprint Clintonville (GI) Pt 2B- Weisheimer/Indian Springs \$3,589,110	BP Clintonville 1 Lat. Lining - Weisheimer/ Indian Springs \$3,344,253	BP Clintonville 1 - Lat Lining Morse/ Dominion \$3,127,747	
Blueprint Hilltop Lining Project; CIP 650875-100002 \$6,719,744	Blueprint Clintonville (GI) Part 6 - Schreyer/Springs \$3,080,064	BP Clintonville 1 - Lat Lining Overbrook / Chatham \$2,261,588		Blueprint Clintonville (GI) Pt 2A-	Blueprint Clintonville (GI) Part 5
Blueprint West Franklinton - Lining Project \$6,163,893	Blueprint Hilltop 4 - Lining Project \$2,805,394	Blueprint Fifth by Northwest - Lining Project \$2,252,338		Blueprint Clintonville (GI) Part 4 - Overbrook/Chatham \$1,271,410	
		BP Clintonville 1 Lat Lining/Roof Redirect-Cooke-Glenmont \$1,925,428			











Program Year 2020

- Continuation of **Nutrient Reduction Discount:** \$50M - open nomination period
- Incentives for **Regionalization Projects**
- **Up to 45-year loans**
- **Planning and Design loans** – open nomination period and 0% (up to 5 years)

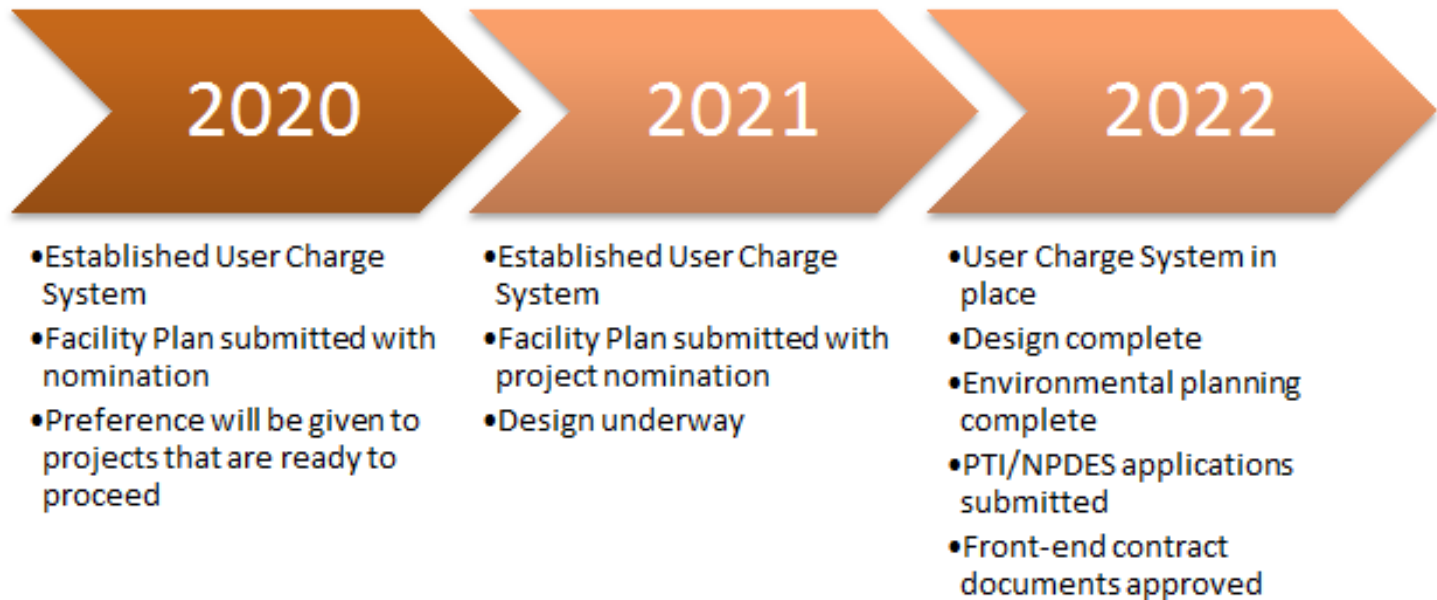
2020 Principal Forgiveness

- Continued focus on **readiness-to-proceed** for principal forgiveness projects
- Limited to communities $\leq 10,000$ people
- **Affordability criteria (any 3/4 criteria):**
 - Median Household Income $\leq \$52,407$ (statewide average)
 - Unemployment rate $\geq 7.6\%$ (1% over national average)
 - Per Capita Income $\leq \$24,941$ (80% or less of national average)
 - Percent population change $\leq 150\%$ (2000-2010)

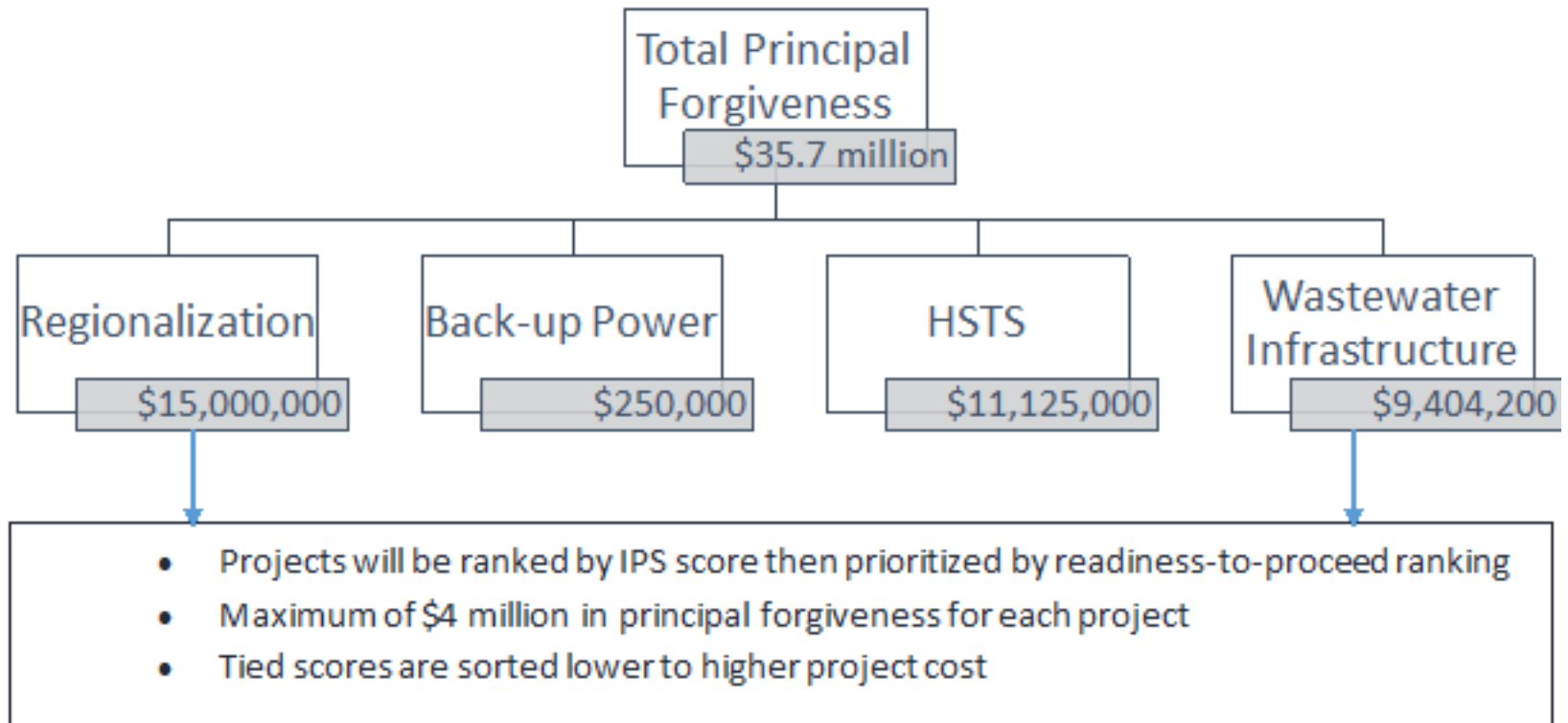
Readiness-to-Proceed

- Facilities planning completed
- Design contract executed
- PTI/NPDES application submitted
- Approved PTI
- User-charge system initiated
- Intergovernmental agreements in place for regionalization projects

Readiness-to-Proceed



2020 Principal Forgiveness



WSRLA Program

- Planning, design, and construction loans
- Projects ranked for funding
- Funding for drinking water infrastructure

Water Supply Revolving Loan Account

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

WSRLA Readiness-to-Proceed



Interest Rates

WPCLF Standard Rates	Varies by term – see calculation below
Small Community Rate	WPCLF Standard Rate minus 0.50%
Hardship Rates	1.0% 0.0%
Planning	0%, 5-year term
Design	0%, 5-year term
Linked Deposit	Variable – see explanation below
Household Sewage Treatment Systems	0%, 10-year term
Supplemental Loans	Current applicable rate at time of closing
Extended Term (Beyond 20 Years)	Varies by term – see calculation below
*Rate calculations are subject to change throughout the program year	

October 2019 Interest Rates

- Market Rate - 2.28%
- WPCLF Standard Loan Rates
 - 20 Year - 1.03%
 - 30 Year - 1.17%
 - 45 Year - 1.32%

Lower Interest Rates = Big \$avings

Compared to market rates, savings are substantial
Example \$1 million loan (October 2019 rates)

Interest Rate	Total Repayments	Savings vs. Market
Market (2.28%)	\$1,250,860	-----
Standard (1.03%)	\$1,109,097	\$141,763
Small (0.53%)	\$1,055,259	\$195,601
Hardship (1%)	\$1,105,820	\$145,040
Hardship (0%)	\$1,000,000	\$250,860

Additional Discounts & Features Available

WPCLF

- CSO Discount
- Regionalization Discount
- Nutrient Reduction Discount
- WRRSP Sponsorship
- 0% Planning or Design Loans
- Extended Terms Available
- Principal Forgiveness

WSRLA

- HAB Discount
- Regionalization Projects (50% PF)
- Human Health Projects (50% PF)
- Disadvantaged Comm. (50% PF)
- 0% Planning or Design Loans
- Targeted Funds
 - Emergency Generator Grants
 - Emergency Connections

Water Resource Restoration Sponsor Program

Highlights/Activities	Total
Number of Projects	148
Dollar Amount Awarded	\$195,064,729
Acres of Wetlands Protected	6,091 acres
Feet of Stream Protected	668,946 feet
Dams Removed	12
Total Acreage Protected Under Covenant	16,799 acres

(2000-2017)

Turkey Creek Estuary Protection



Kent Dam Removal



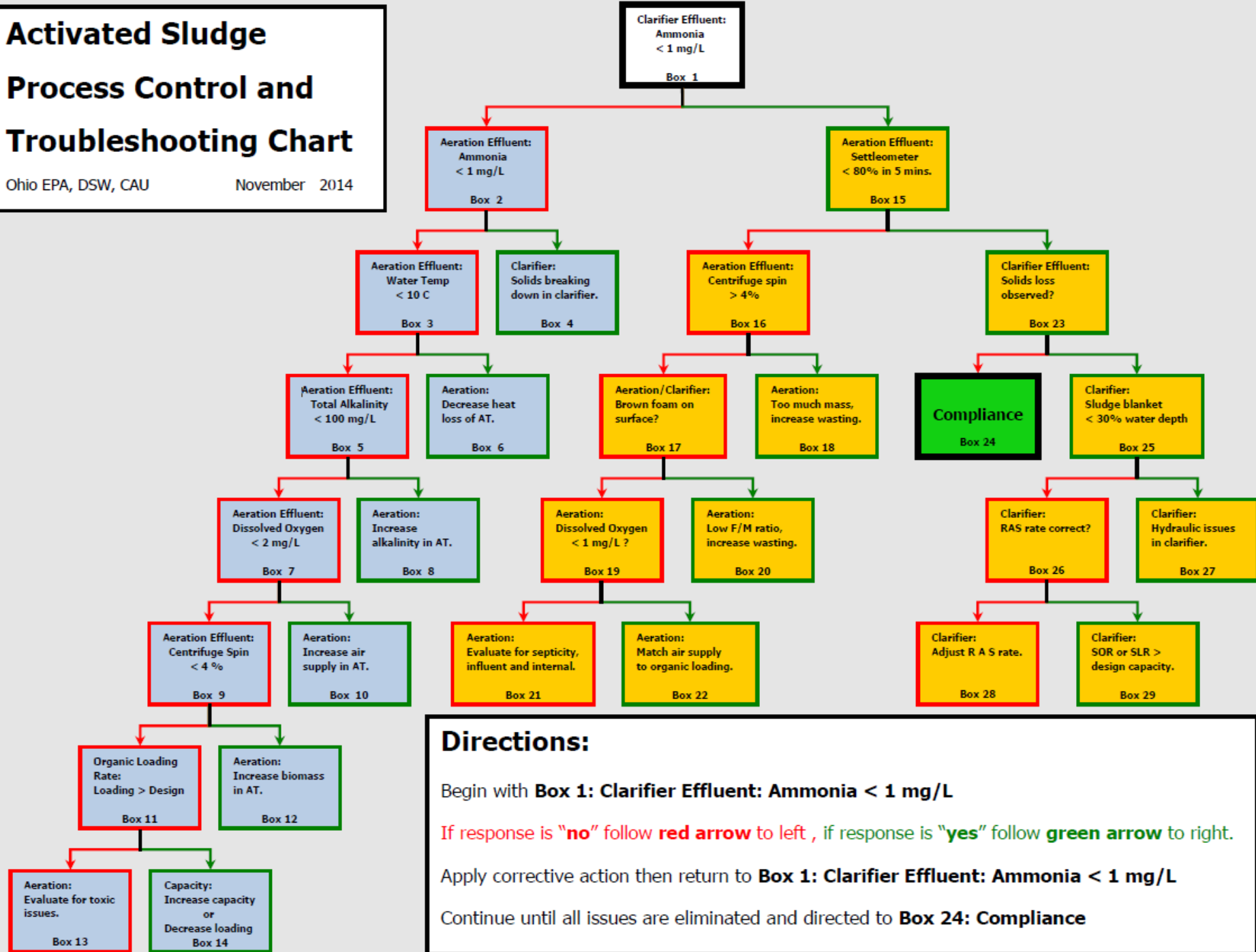
Wastewater Compliance Assistance Unit

- CAU staff provide free, on-site, technical assistance to wastewater treatment plant operators throughout the state
- Current CAU team members
 - Jon van Dommelen - CO
 - Nick Hammer - SEDO
 - Andy Gall - NWDO

Activated Sludge Process Control and Troubleshooting Chart

Ohio EPA, DSW, CAU

November 2014



Directions:

Begin with **Box 1: Clarifier Effluent: Ammonia < 1 mg/L**

If response is "no" follow **red arrow** to left, if response is "yes" follow **green arrow** to right.

Apply corrective action then return to **Box 1: Clarifier Effluent: Ammonia < 1 mg/L**

Continue until all issues are eliminated and directed to **Box 24: Compliance**

DEFA - OCAPP



What OCAPP Does



What OCAPP Does for Businesses

Provide

- Provide regulatory technical assistance via phone, email
- Held in strict confidence and not subject to public records!!!

Help

- Help complete and submit permit applications and reports

Develop

- Develop and help maintain on-site records

What OCAPP Does for Businesses

Fund

- Provide grant recycling \$\$\$
- \$4 million dollar annual fund!!!

Conduct

- Conduct free on-site compliance, recycling and waste reduction visits
- Held in strict confidence and not subject to public records!!!

Recognize

- Recognize your efforts through our Encouraging Environmental Excellence (E3) program

How district OCAPPers can help you

Resolve NOV's

- Complete paperwork
 - Permits, reports, recordkeeping, etc.
- Find alternative materials
- Reduce waste

Assist with every program

Free and Confidential



**Need Help with
Environmental
Issues?**



How district OCAPPers can help you

Start-Up/Expansions

- Organize and facilitate meetings
 - Explain requirements and timelines
- Work with permit writers
 - Ensure timely and complete applications



**Need Help with
Environmental
Issues?**



What OCAPP Cannot Do

**Cannot Cite
Violations**

**Cannot Breach
Confidentiality
(One exception)**

**We Have No
Regulatory
Authority**

Confidentiality

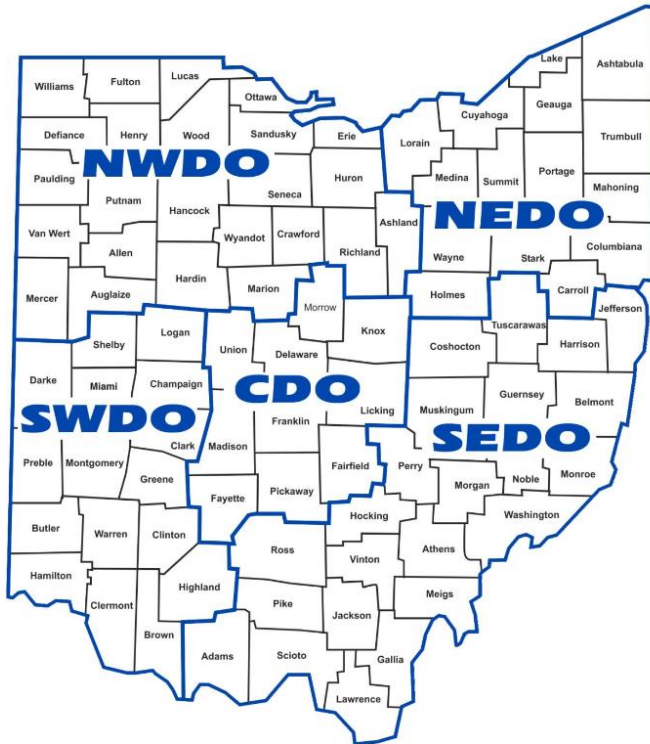
Established by law

- Air specific compliance assistance
ORC 3704.08(B)
- Confidentiality to all programs
ORC 3745.017

Narrow Exceptions

- Egregious
- Clear and immediate danger
- Criminal

OCAPP District Staff



CO/CDO

- Jessica Cáceres

NEDO

- Tamara Girard
- Miranda Stockton

NWDO

- Tom Cikotte
- Jeremy Scoles

SWDO

- Maddie Adams
- Amber Hicks

SEDO

- Ralph Witte

Request Assistance



**Toll-free confidential
hotline:**

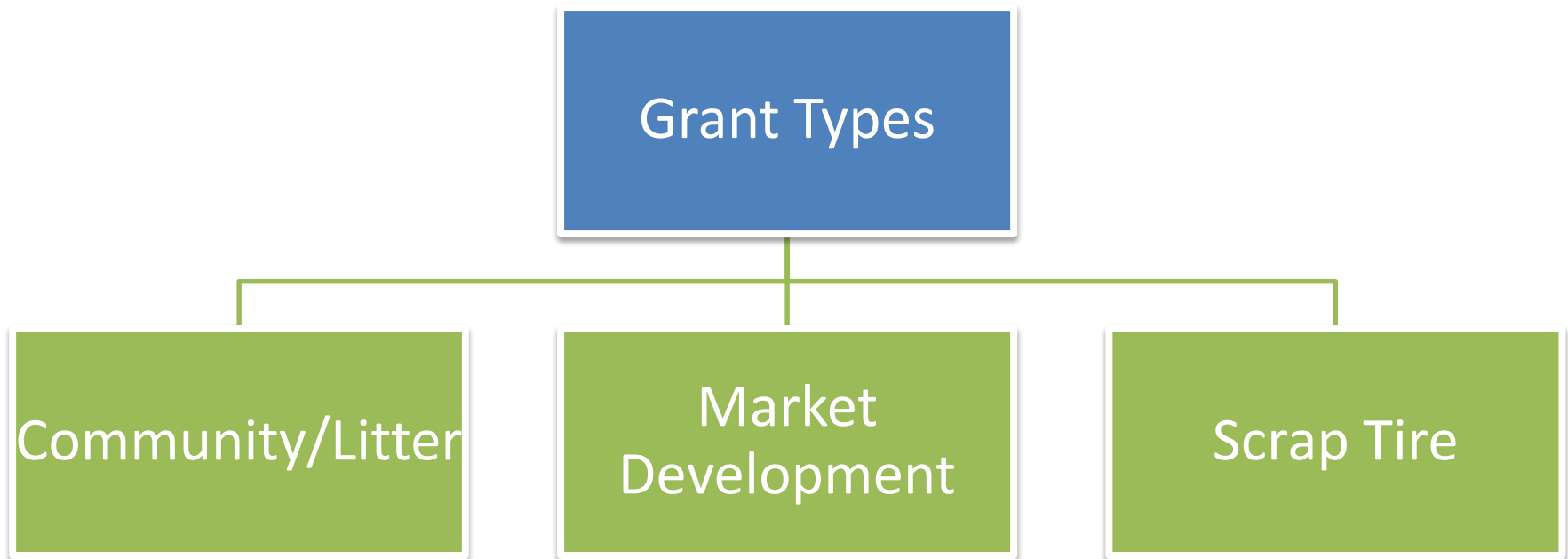
(800) 329-7518

- 8:00-5:00 Monday
through Friday**
- Or contact us directly!**

Beyond Regulations



Recycling and Litter Prevention Grant Program



2019 Total: \$4,000,000+



Examples of Funded Projects



Litter
Collection

Recycle
Bins

Tire
Amnesty
Events

Education
and
Outreach
Materials

Curbside
Recycling

Paving
Projects

Recycling
Equipment



Workshops & Trainings

Compliance

Sustainability

Workshops



Join the Circular Economy



Materials
Marketplace

GET INVOLVED

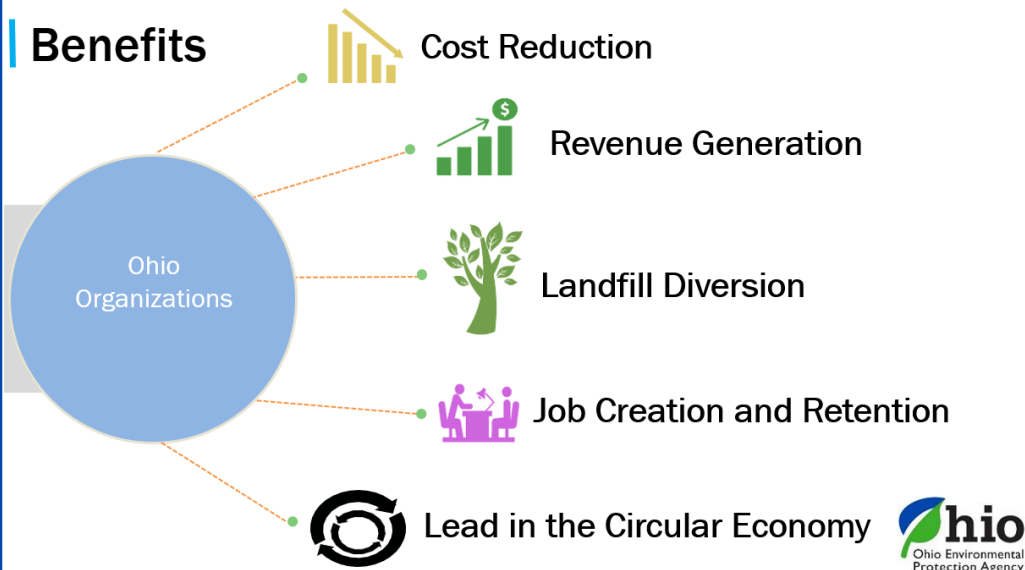
U.S. Business Council for Sustainable Development

Ohio.materialsmarketplace.org

The Sustainability Unit

Ohio Materials Marketplace

Benefits



1053 Organizations Participating

3,670,830 Pounds Exchanged

\$192,850 Savings Identified



What's on OMM?



Expanded polystyrene foam, pallet racking, scrap cardboard, and more!

Recognition for Going Beyond

E3

- Encouraging Environmental Excellence

E4

- Encouraging Environmental Excellence in Education

Encouraging Environmental Excellence

Who?

- Businesses, Communities, Organizations

What?

- Recognition for Environmental Stewardship Activities

How?

- Online Application

Levels:

- Platinum, Gold, Silver, Achievement

Why?

- Compliance Checks



Encouraging Environmental Excellence in Education (E4)

K-12

Student Led

Environmental
Stewardship

Recognition

- Root, Branch, Leaf

Compliance
Checks



Open Discussion

Questions?

Comments?

Suggestions?

Requests?

Ideas?

Contact Info

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Office of Financial Assistance

Division of Environmental and Financial Assistance

Ohio EPA

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Joseph.Dragovich@epa.ohio.gov

