Improving Stormwater Data in the 2022 Clean Watersheds Needs Survey



2022 National Stormwater Roundtable

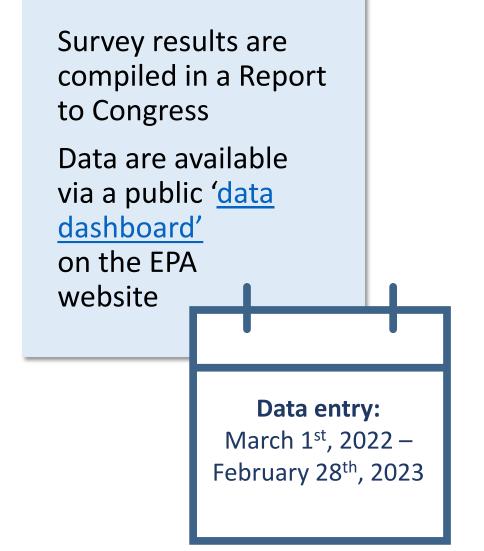
Joshua Klein and Elisabeth Schlaudt

Environmental Protection Agency – Office of Water – Office of Wastewater Management Water Infrastructure Division - State Revolving Fund Branch

What is the CWNS?

"...a comprehensive assessment of the capital costs ("needs") to meet the water quality goals of the CWA and address water quality and water-quality-related public health concerns."

- Technical and needs (\$) data on water infrastructure are collected from all 50 states and territories.
- Capital needs existing as of January 1st, 2022 or expected to occur within the next 20 years.



Why the CWNS Matters



Sewer Overflow and Stormwater Reuse Municipal Grants Program

Announcement

On March 29, 2021, the Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) program assistance listing was posted to <u>SAM.gov</u> and includes information on the application requirements for the program.

On February 24, 2021, EPA published a Federal Register Notice establishing the allocation formula for the upcoming OSG program. This formula describes how EPA will distribute program funds for the states, District of Columbia, and the U.S. territorises to provide grants to manage combined severo verflows, sanitary sever overflows, and stormwater flows. In August 2020, EPA proposed an allocation formula for this program and received comments from the public which were considered in finalizing the formula.

Federal Register Notice Exit

Program Information

Urban stormwater is a significant source of water pollution and can be a public health concern. Stormwater can collect various pollutants including trash, chemicals, oils, and dirt/sediment and convey them to nearby waterways. When mixed with domestic and industrial waterwater in combined severs, stormwater can also contribute to combined sever overflows during heavy storm events. Managing runoff remains a complex environmental challenge for local communities across the country. Many communities often face financial challenges trying to correct these issues given the costs to construct, operate, and maintain the infrastructure. This new grant program will provide funding for critical stormwater infrastructure projects in communities including combined sever overflows (CSO) and sanitary sever overflows (CSO).

Used by:

✓ By Congress and state legislatures in their grant and loan planning;

 ✓ For the allocation formula for the Sewer Overflow and Stormwater Reuse Municipal Grants Program;

✓ By industry and academic researchers

 e.g., the American Society of Engineers Report Card for America's Infrastructure

CWNS Scope

The CWNS collects information on any project eligible for funding under the CWSRF

Includes:

- POTWs
- Stormwater
 - Green Infrastructure
 Gray Infrastructure
 General SW Management
- CSOs
- NPS pollution control projects
- Decentralized wastewater management



Overview of Clean Water State Revolving Fund Eligibilities May 2016

See the full list of eligibilities and guidelines <u>here online</u>

(https://www.epa.gov/sites/default/files/20 16-07/documents/overview_of_cwsrf_eligibiliti es_may_2016.pdf)

How is the Survey Conducted?



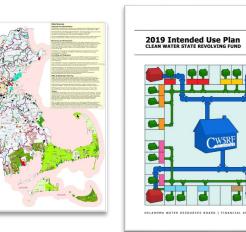
Submitting Projects and Data

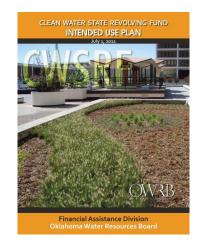
Needed projects / activities must

✓ address a water quality or human health problem

- \checkmark be supported with documentation
- Supporting document(s) must include project **description** and **cost**







Submitting Projects and Data

- Stormwater needs (projects + costs) for a whole city can be entered as a **single** entry
- Projects costs are totaled by needs category (gray, green, general stormwater) management)

Eligible

- ✓ Large/ "one-time" equipment purchase (street sweepers)
- ✓ Computer hardware/ software used for security or asset management (GIS, SCADA systems)
- ✓ Unfunded portions as of January 1st 2022 of multiphase projects

Not Eligible

- 🗙 Equipment maintenance
- Software subscription fees, regular/ frequent database updates
- Projects for which funds have already been fully committed as of January 1st 2022

Other options for documentation: - Small community form - Approved state-specific methods - EPA cost estimation tools

Small Community Form

Clean Watersheds Needs Survey Small Community Form Stormwater Infrastructure

EPA is requesting your assistance to accurately account for the state's infrastructure needs by completing this form. This information will help to better represent the capital needs of stormwater facilities in small communities. Only needs as of January 1, 2022 (i.e., projects or portions of projects not funded or started as of January 1, 2022) are eligible and should be listed. Needs can include estimates for new infrastructure, updating or expanding current infrastructure, and/or meeting future growth needs (through December 31, 2041). For any questions, including if you want to report your needs for other facilities, please contact your State <u>Coordinator</u> at

If you have planning documents that report your needs, provide the documents to your state coordinator. This form can be used to report undocumented needs. Please provide us with either an estimated cost that is certified by a professional engineer (PE) in Section 3 or information about the projects in Section 4 and EPA will estimate the costs for you using their cost estimation tools. If you do not have access to a PE, the state coordinator can have a state PE review and certify your cost estimates. Note that the Local Official Certification (Section 5) is required for all situations.

Please answer these questions before filling in the rest of the form:				
Does your facility have water-quality- related capital improvement needs?	□Yes □No	If no, thank you for your time and please return the form with the No box checked.		
Do you have planning documents that report any of your needs (such as in a capital improvements plan or engineering report)?	□Yes □No	If yes, please email those documents to your state coordinator.		
If you have any undocumented needs:				
Do you have access to a PE (consulting with or on staff) who will certify the costs of the undocumented needs?	□Yes □No	If yes, please work with them to generate costs and have them certify and sign this form before returning to the state coordinator.		

Section 1: Facility Information

Please provide general facility information and contact information

Facility Name:	
Authority Name:	
Facility Address:	
City:	
State:	
Zip code:	
County:	
Owner Type:	Public Private Federal
Contact Name:	
Role/Title (optional):	
Phone (optional):	
Email (optional):	

Separate forms for infrastructure types (wastewater, stormwater, decentralized, nonpoint source)

Options for reporting costs:

- 1. Provide direct cost estimate for needed projects
 - Signed by Local PE

OR...

- Signed by State PE
- 2. Provide basic parameters about needed project (size/ location)
 - Use EPA CET

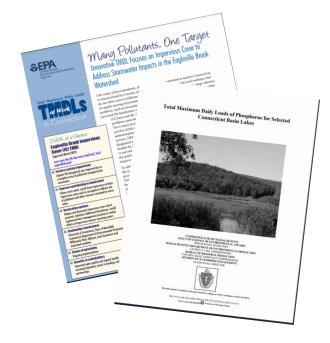
Cost Estimation Tools

Add/Edit Cost Estimation Tool - Stormwater		
* indicates required field.		
Needs Category	VI-B - Green Infrastructure	
* Zipcode		
* Practice Type	~	
* Construction Type	~	
* Sizing Method	~	
* Quantity		
CET inputs in the Data		
Entry Portal		

- EPA-developed tools to estimate costs for needed projects
- Requires a supporting document to justify the inputs and project(s)

State Specific Approaches

- Used where project-specific documentation does not exist, but the state knows certain projects are needed in the next 20 years
- Based on current, state-specific data

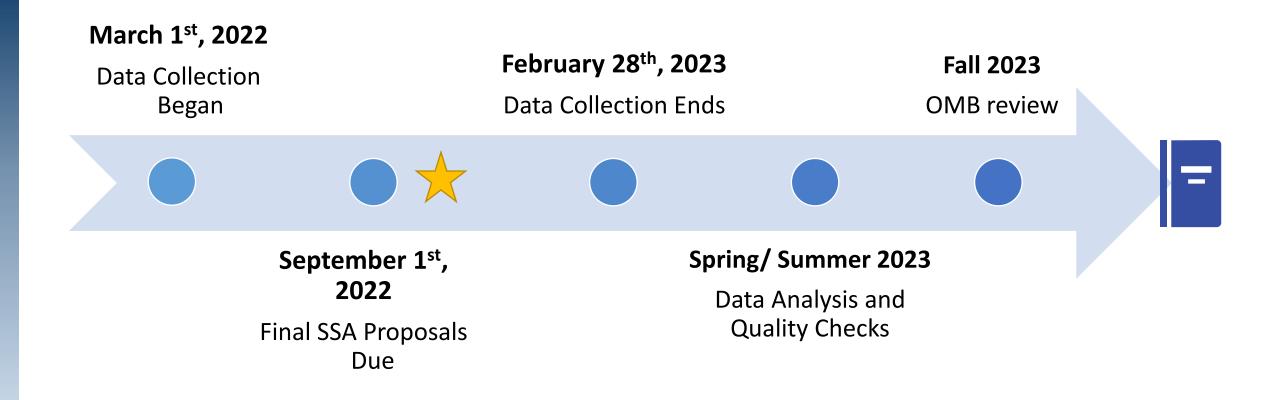


Example: Connecticut Impervious Cover SSA

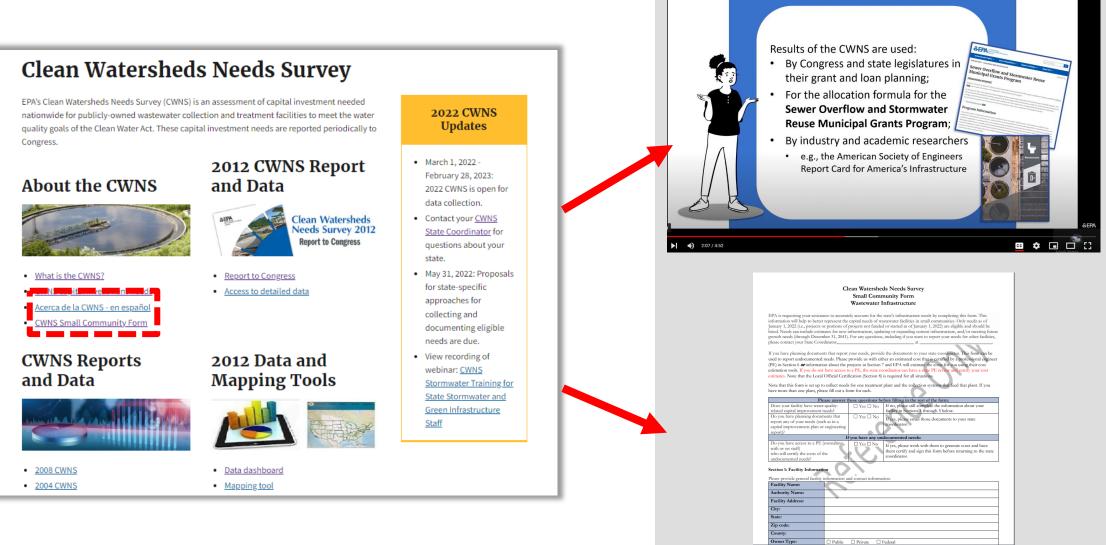
- Justification: state-wide stormwater TMDL based on impervious cover
- Data Source: cost estimates from 10 green infrastructure projects designed to reduce the effective IC in the watershed from 14% to 11%
- Method: Calculate average \$/acre cost to address stormwater impacts and apply to watersheds with >11% IC

States with a Stormwater SSA





Resources



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CWNS@epa.gov



Questions?

