

The 2022 Clean Watersheds Needs Survey and Decentralized Needs

Onsite Wastewater Mega-Conference

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Office of Wastewater Management
Office of Water
Environmental Protection Agency



The materials being presented are that of the presenter and do not reflect the opinions of NOWRA

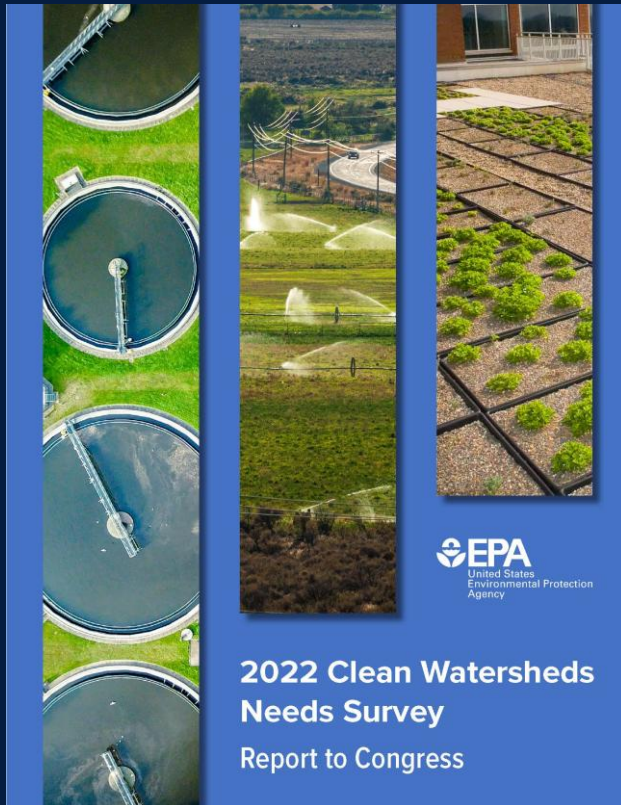


About the Clean Watersheds Needs Survey



About the CWNS

Estimate of SRF eligible needs over the next 20 years*. Does not affect allocation of CWSRF funds.



Clean water infrastructure

Wastewater, stormwater, decentralized, and nonpoint source pollution control

State-EPA data collection partnership

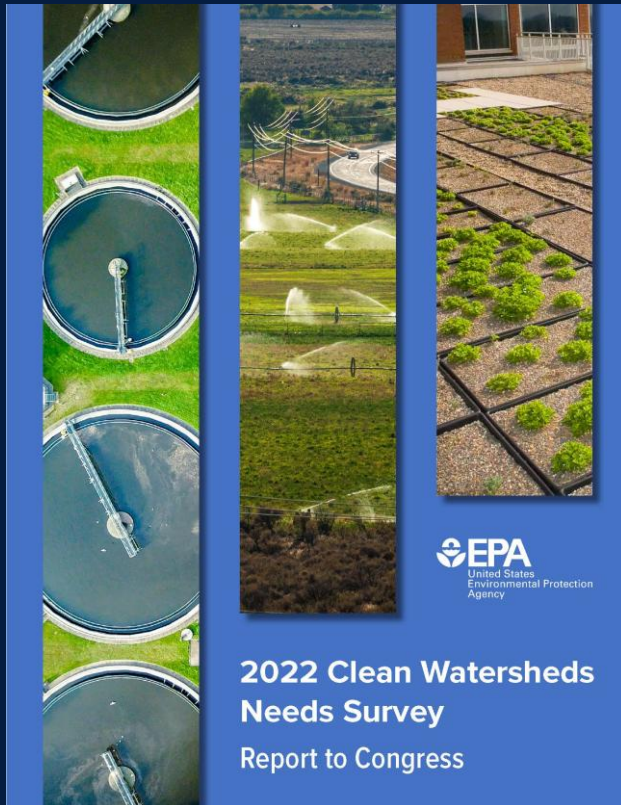
Data reported by state coordinators from all 50 states and territories on voluntary basis (100% participation)

Cost & technical data

CWSRF-eligible only. Excludes most tribal needs. No O&M

<https://www.epa.gov/cwns>

About the CWNS: Report to Congress



Delivered to Congress

The 2022 CWNS Report was delivered to Congress on May 13, 2024

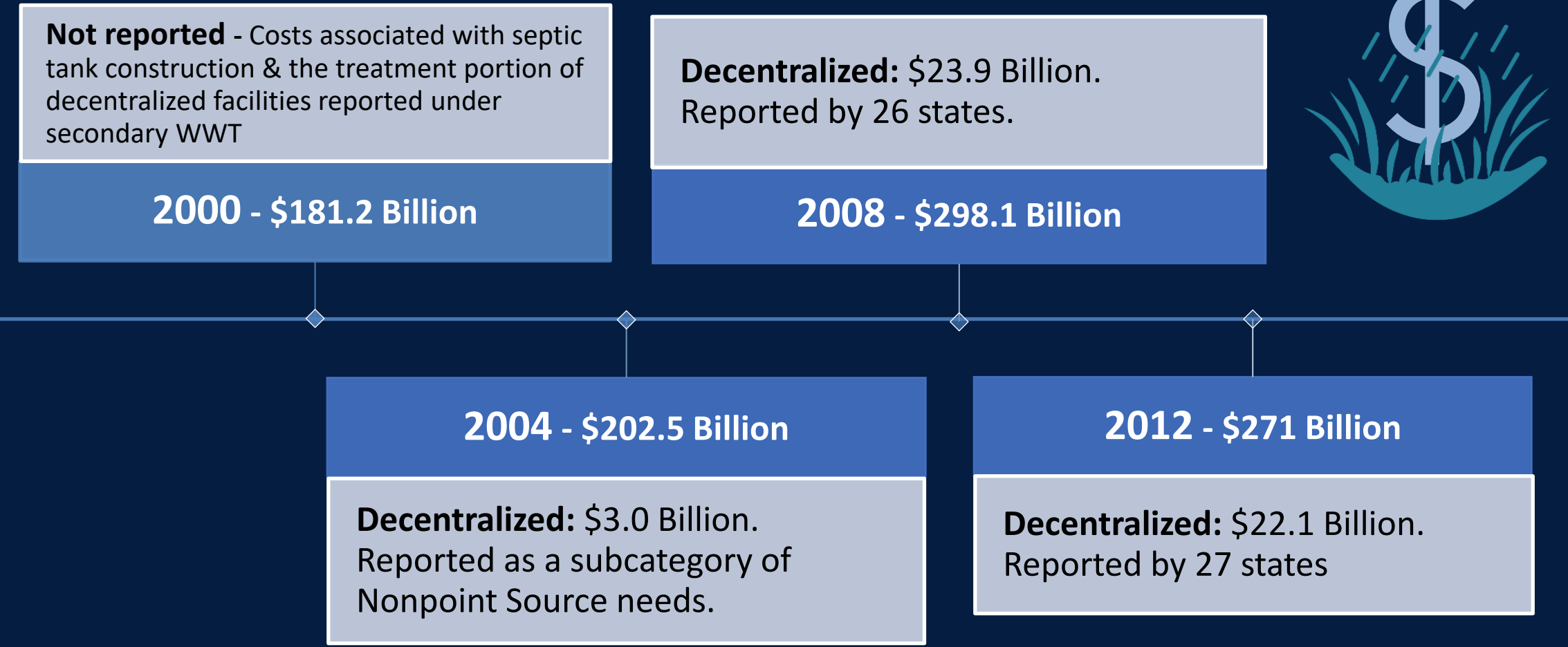
Documentation Available

All documents posted at epa.gov/cwns

- 2022 Report
- Scope and Methods document
- Report Summary
- State Coordinators Manual
- Cost Estimation Tools document

Data download at cwnsdep.epa.gov/2022Dashboard

About the CWNS: Decentralized Needs

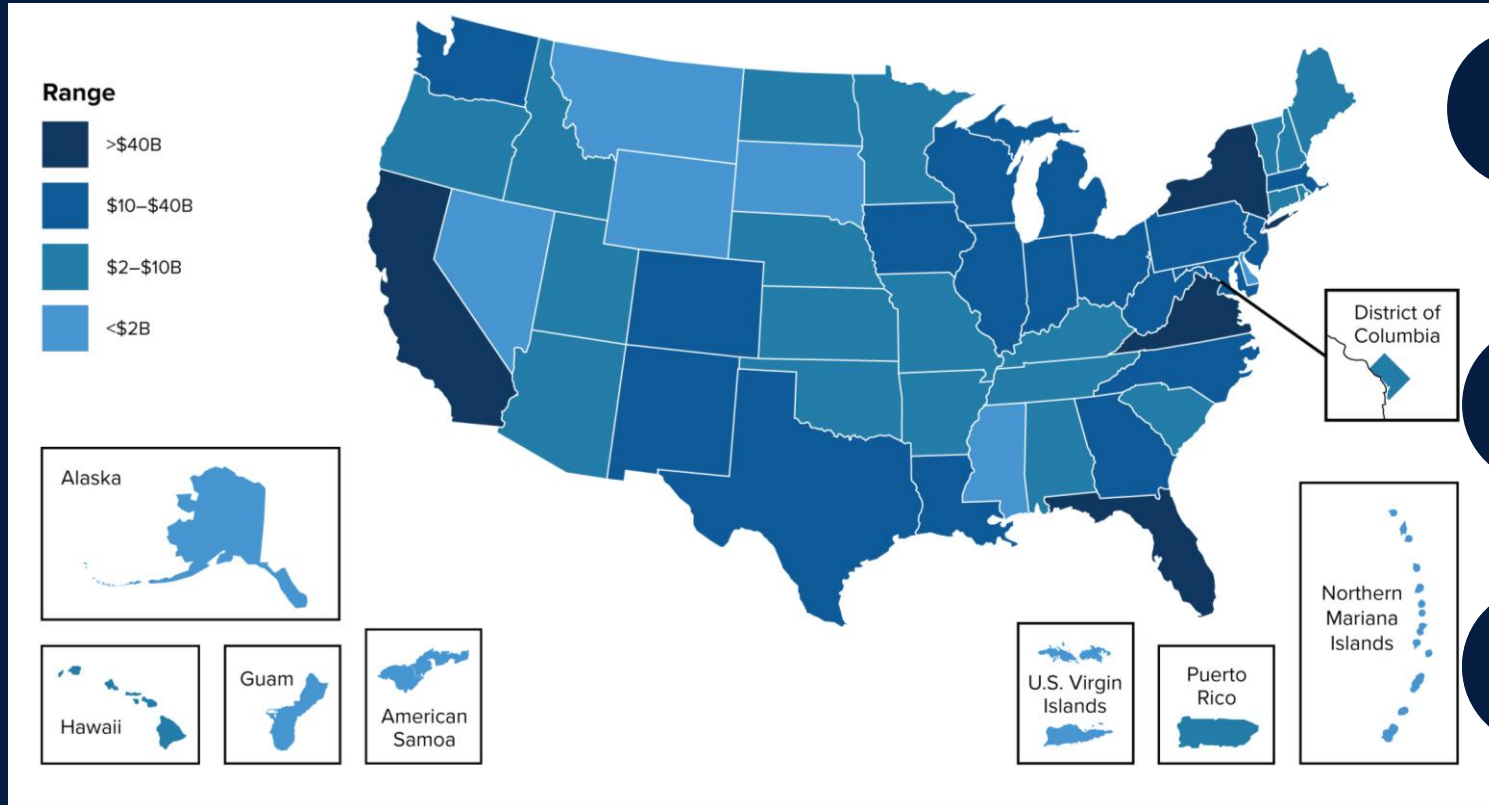




National Results



Results: National Need



Total National Needs
\$630.1 Billion

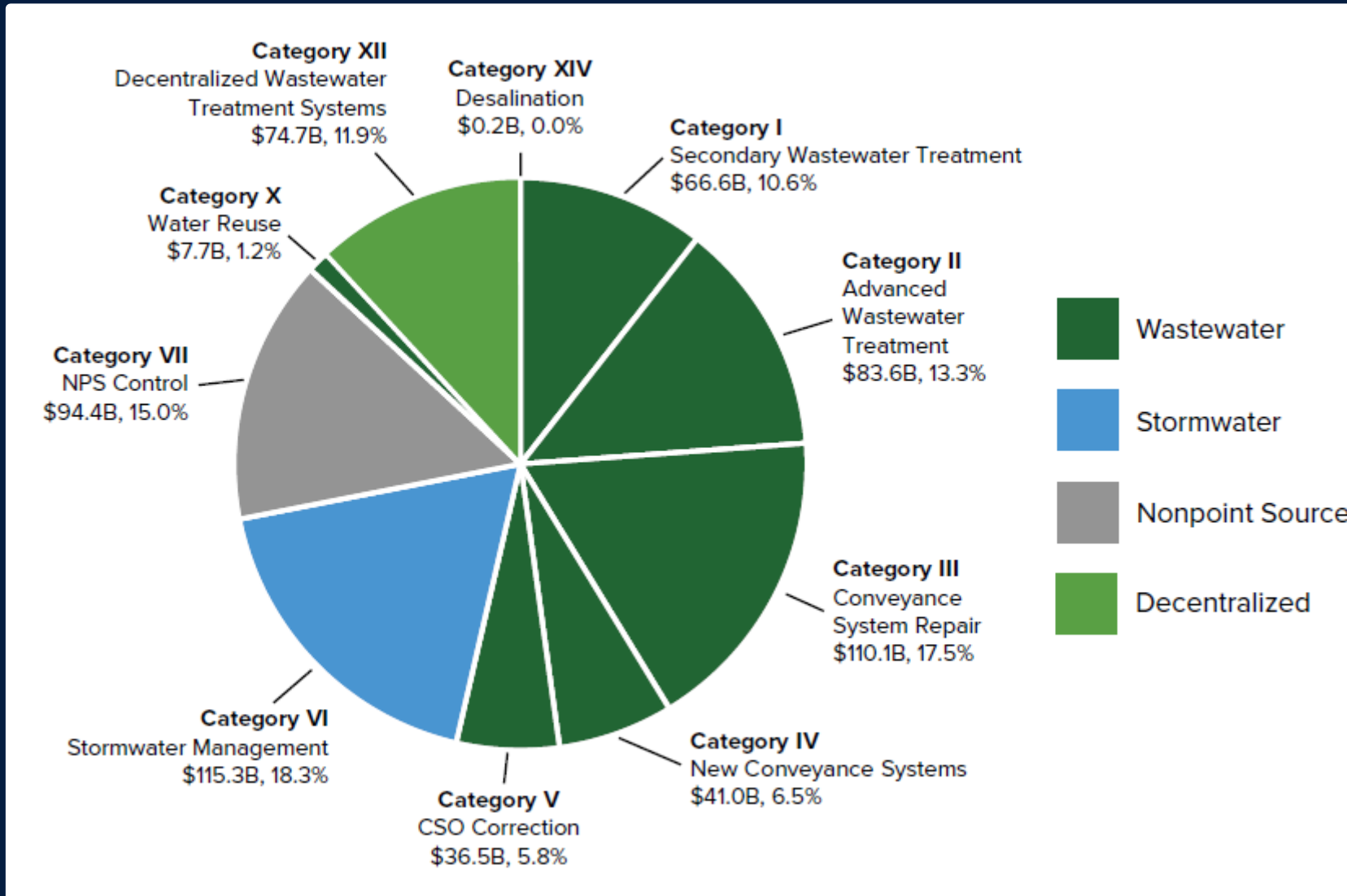


Total Decentralized
\$74.7 Billion

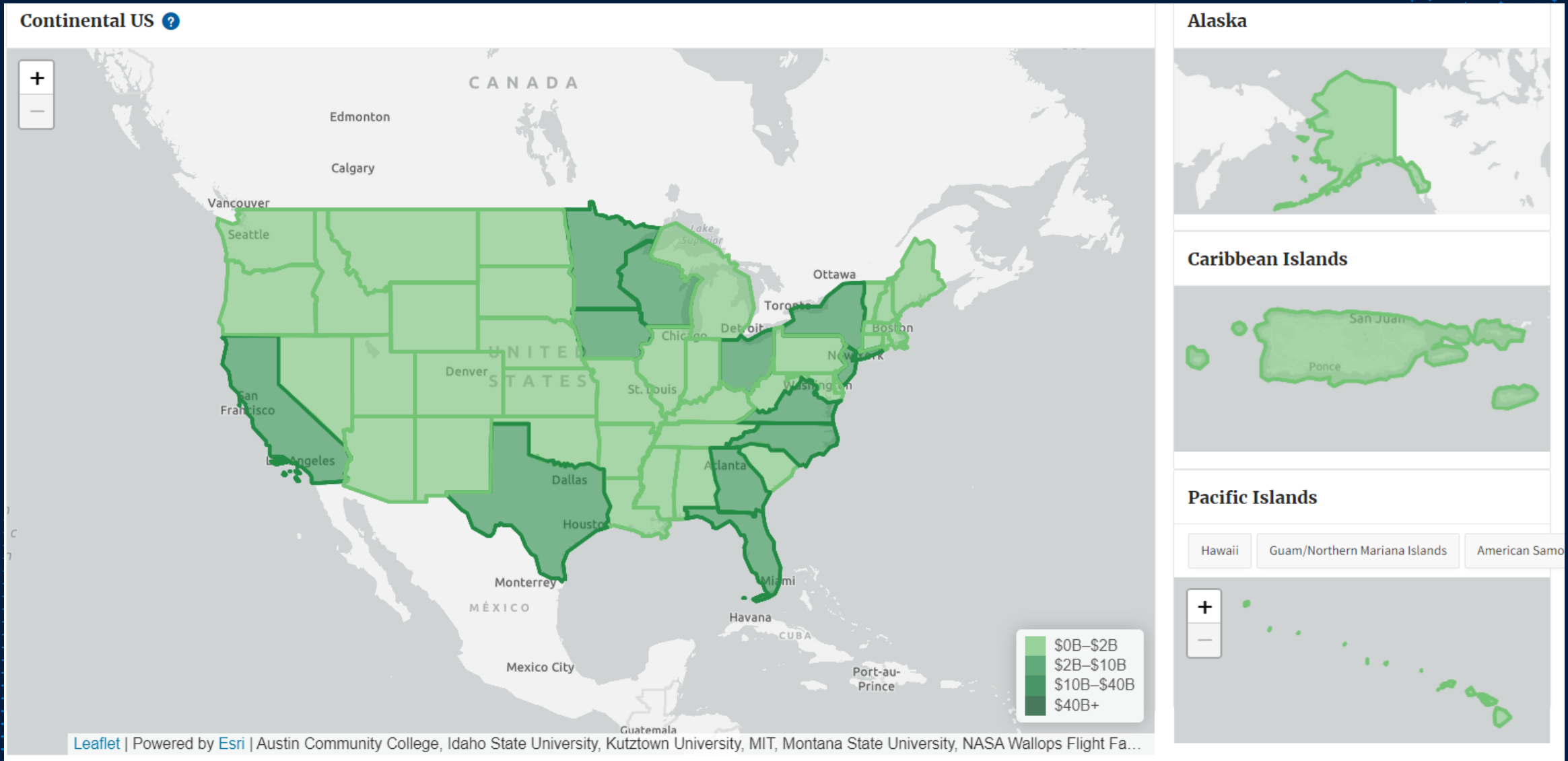


Number of States Reporting
Decentralized:
43

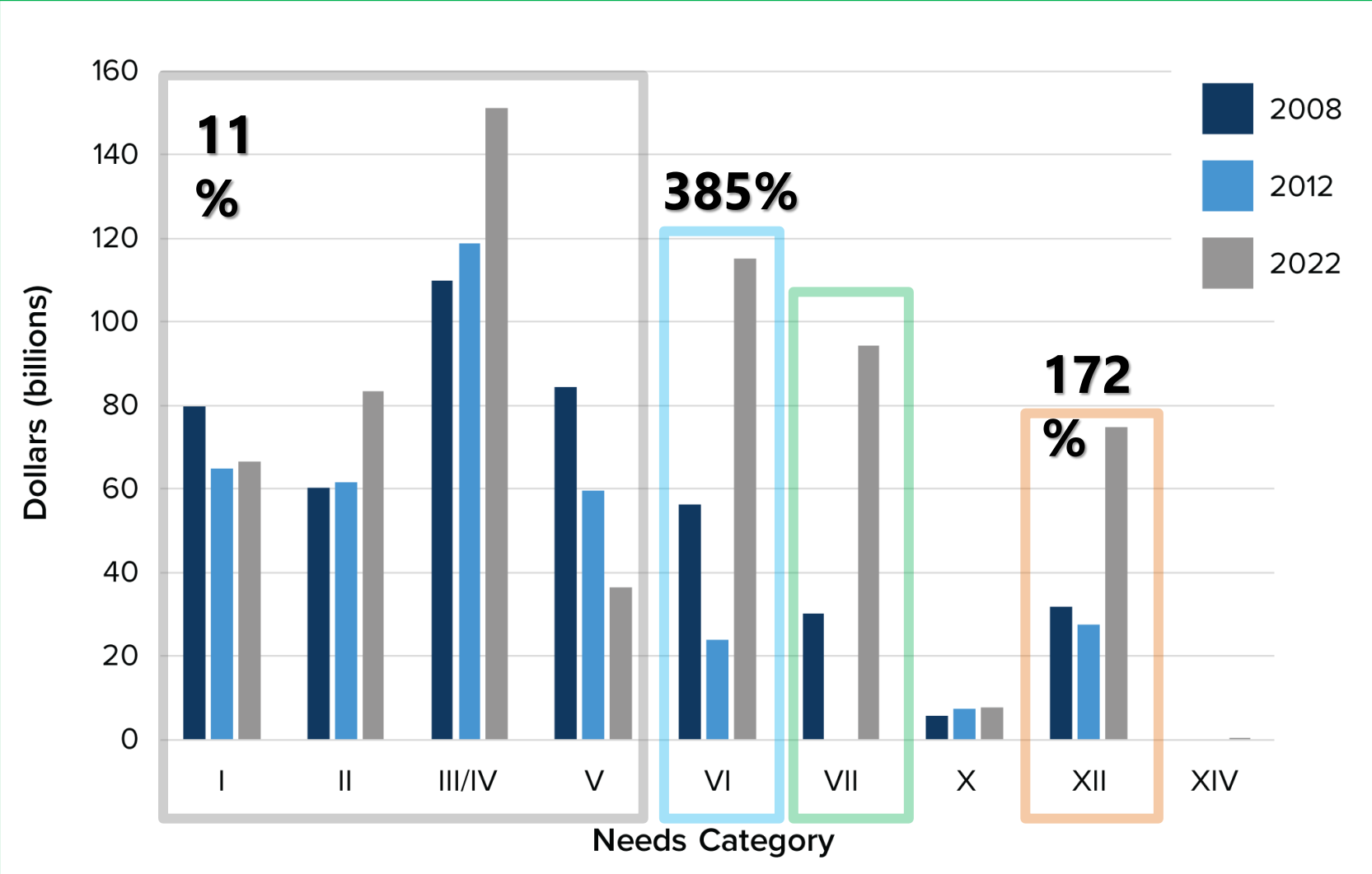
Results by Category



Decentralized Needs: \$74.7 Billion



Changes Since 2012





Data Entry and Cost Estimation



Survey Timeline

November 2021

Webinars and trainings for upcoming survey begin

March 1, 2022

Official data entry begins

May 3, 2023

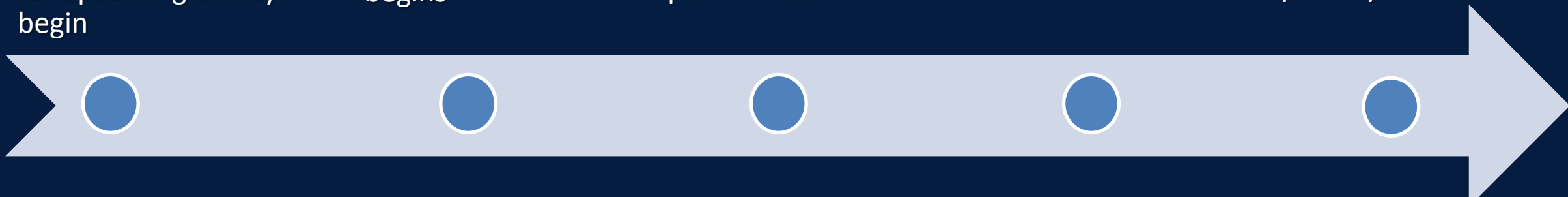
Official data entry period ends

February 2, 2023

Report to Congress submitted to OMB

May 14, 2024

Report to Congress publicly released



Design
(1.5 years)

Collaborate
(1 year)

Collect
(14 months)

Process
(1 year)

Publish
(1 year)

Reflect
(ongoing)

Data Entry: Portal

- State coordinators submitted data to EPA via a custom-built Data Entry Portal

EPA CWNS Data Entry Portal (DEP) Viewing records for : Alabama Elisabeth Schlaudt

Home Enter Survey Data Documents Manage Small Community Forms Reports Support Requests Review Surveys Administration

Welcome to the CWNS Data Entry Portal

- **Data entry closed on May 3, 2023.** Any CWNS IDs not submitted for federal review by May 3 were placed into an "archived" (decentralized, nonpoint source, and stormwater IDs) or "unconfirmed" (wastewater IDs) status.
- For questions, feedback, and technical support, contact cwns@epa.gov.

Announcements

- **Fifth quarter audit results** were released in June.

DEP Quick Access and Help

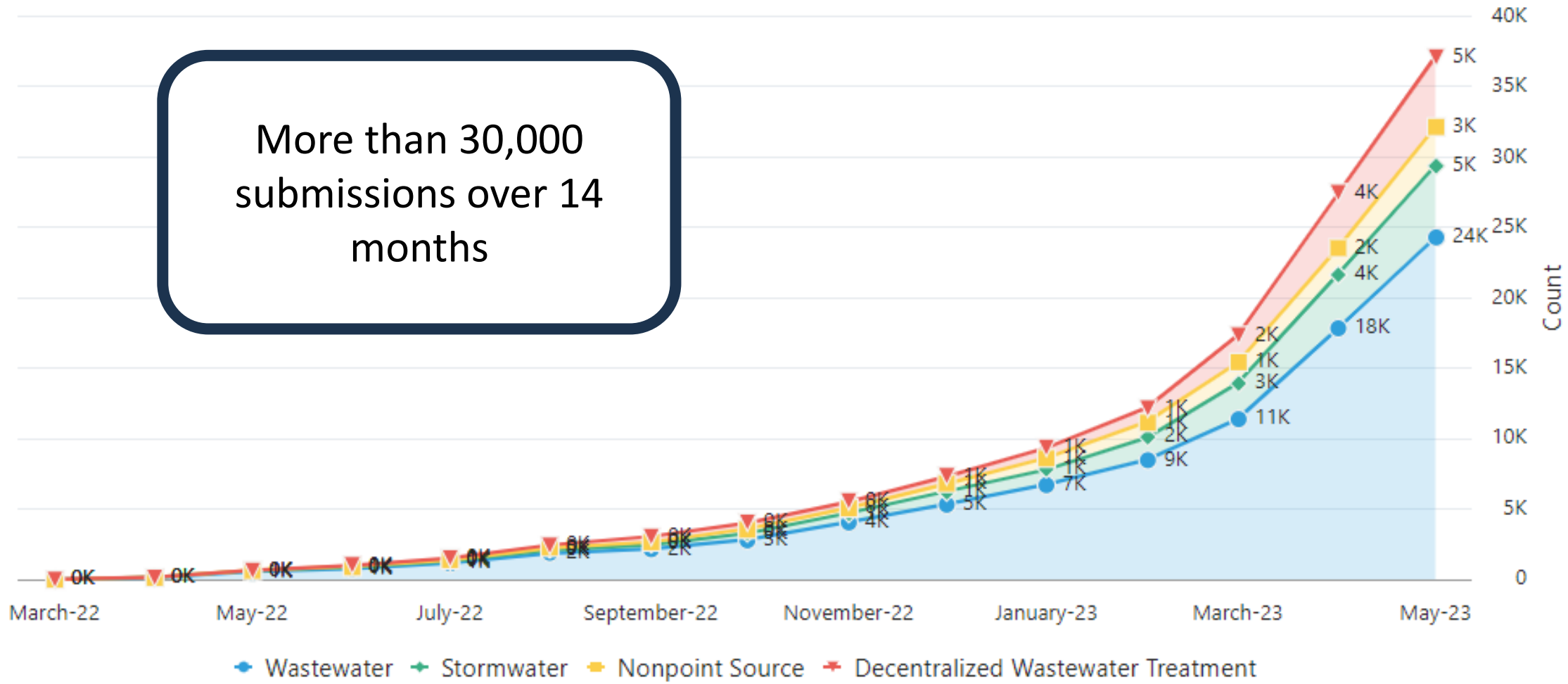
[Tools and Resources](#) – access data submission and annotation templates as well as Word versions of the Small Community Form

Responses Requested

Status	Pending State Action
State Annotation Requested	0
State Correction Requested	0
Unsubmitted	0

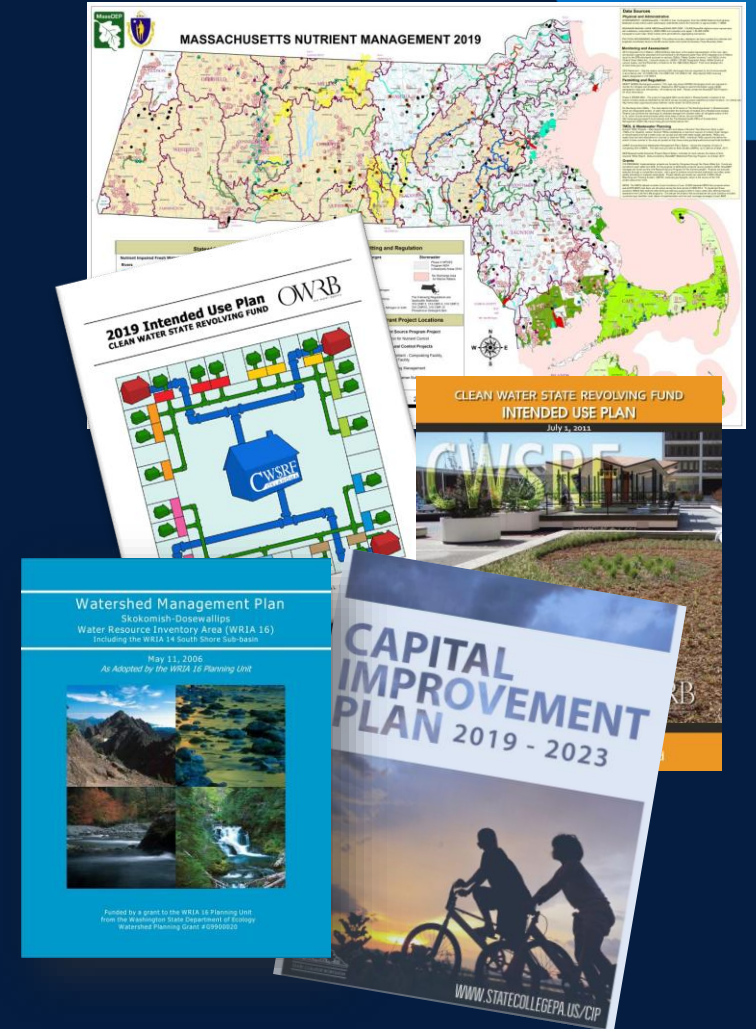
Data Entry: Submissions over Time

More than 30,000 submissions over 14 months



Data Entry: Documents

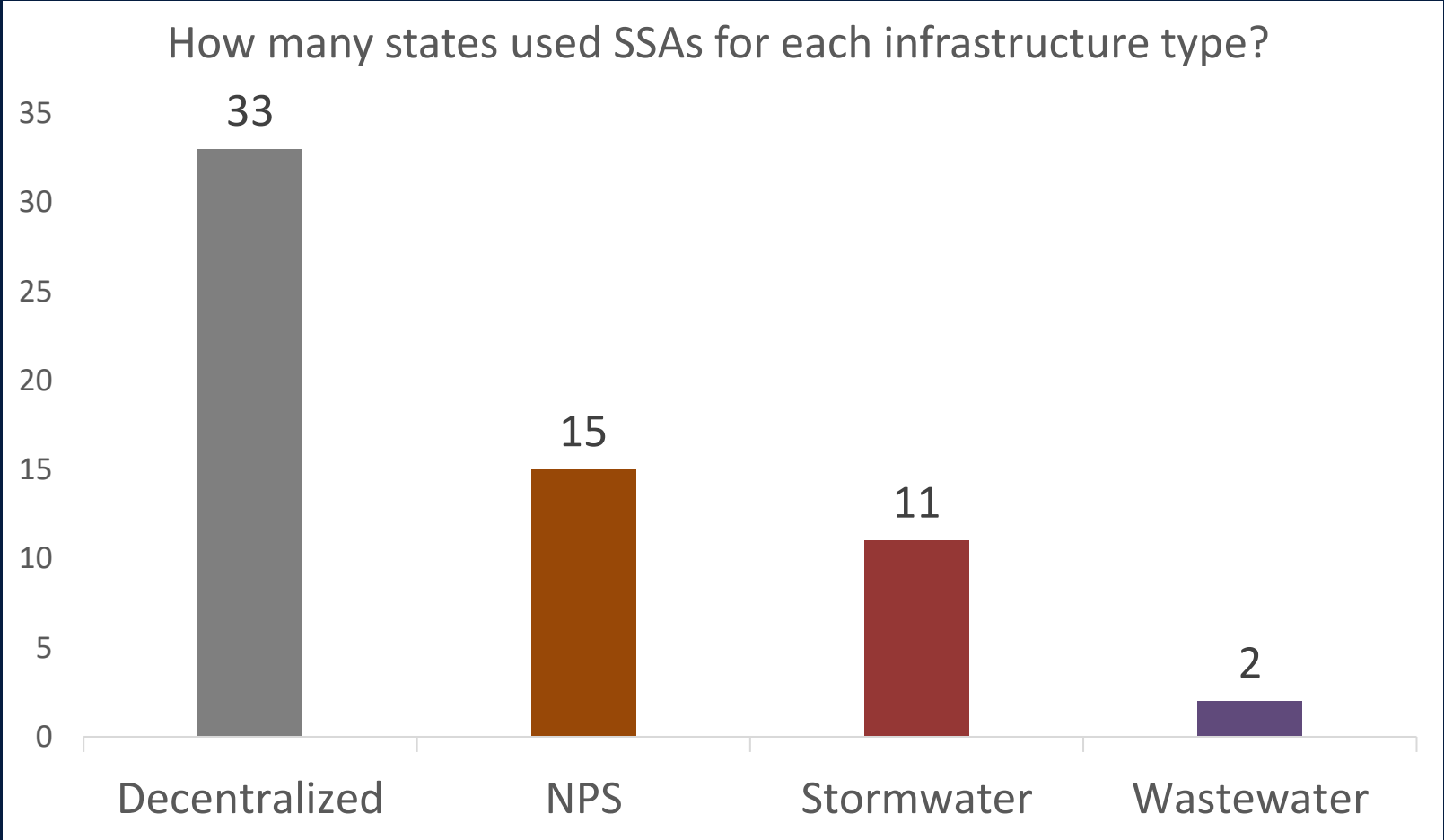
- All needs required documentation:
 - Standard planning documents (CIP, IUP, Engineers plan, etc.)
 - Small community form
 - Approved state-specific methods
 - Approved state-specific documentation
 - EPA cost estimation tools



Cost Estimation: State Specific Approaches (SSA)

8%

of CWNS
IDs tied to
SSAs



Cost Estimation: CETs

1. Select change type: (1) New or Replace or (2) Rehabilitation
2. Enter population served **OR** number of systems (“equivalent dwelling units”) and the average people per household (based on US census)

$$\mathbf{Cost} = \mathit{CPI} * \mathit{LF}_{\mathit{city}} * \mathit{System\ Cost} * \mathit{Number\ of\ Systems}$$

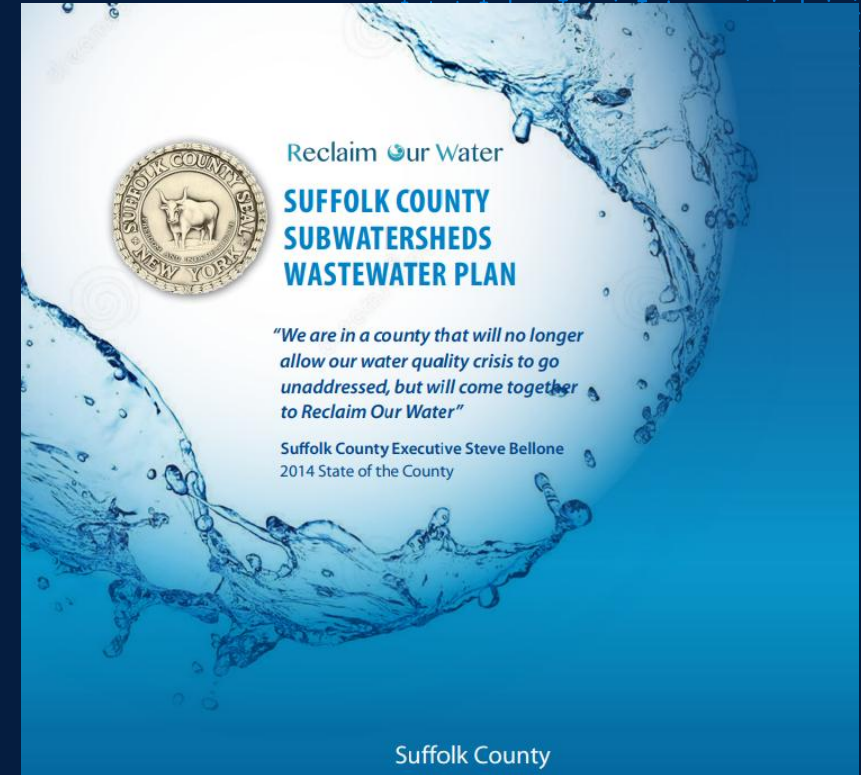
Time and location
correction factors

\$14,221

Decentralized Highlights

New York: Suffolk County

Suffolk County is reducing nitrogen pollution to the County's surface waters and groundwater. Approximately 74 percent of homes are unsewered and discharge sanitary wastewater containing elevated nitrogen levels to the underlying groundwater, the sole source of potable supply for the County. This \$6.6 billion is the largest single decentralized need reported in the survey.



Alabama: Black Belt

Alabama used the Black Belt Region Wastewater Funding Needs report, developed by the Universities of Alabama and South Alabama, to document \$1.4 billion in septic system needs for 16 counties.



Looking Forward: 202X?



Looking Forward: CWNS

CWNS cycle is every 4 years – dependent on funding and DWINSA

The CWNS results will be used to update OSG's program allotment for FY 2025

EPA has submitted the required "Information Collection Request" to Office of Management and Budget for the next survey

EPA is working to streamline the data collection process and considering a statistical sampling approach for small treatment plants



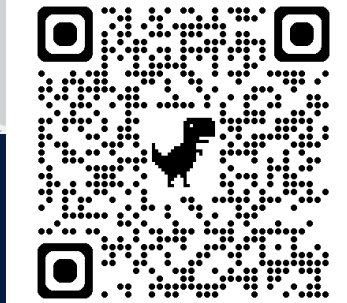
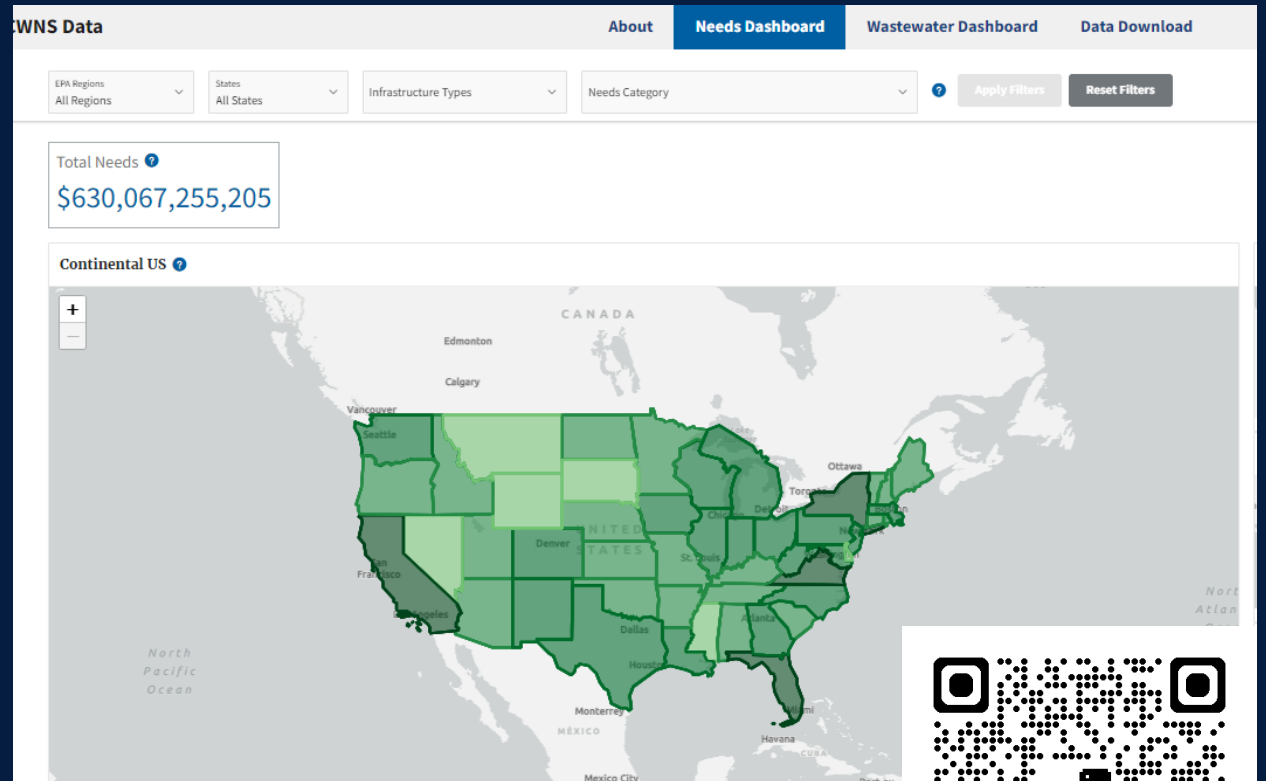
Looking Forward: Decentralized

Lack of centralized permit issuance data at the state and local level – which makes it difficult to estimate future need

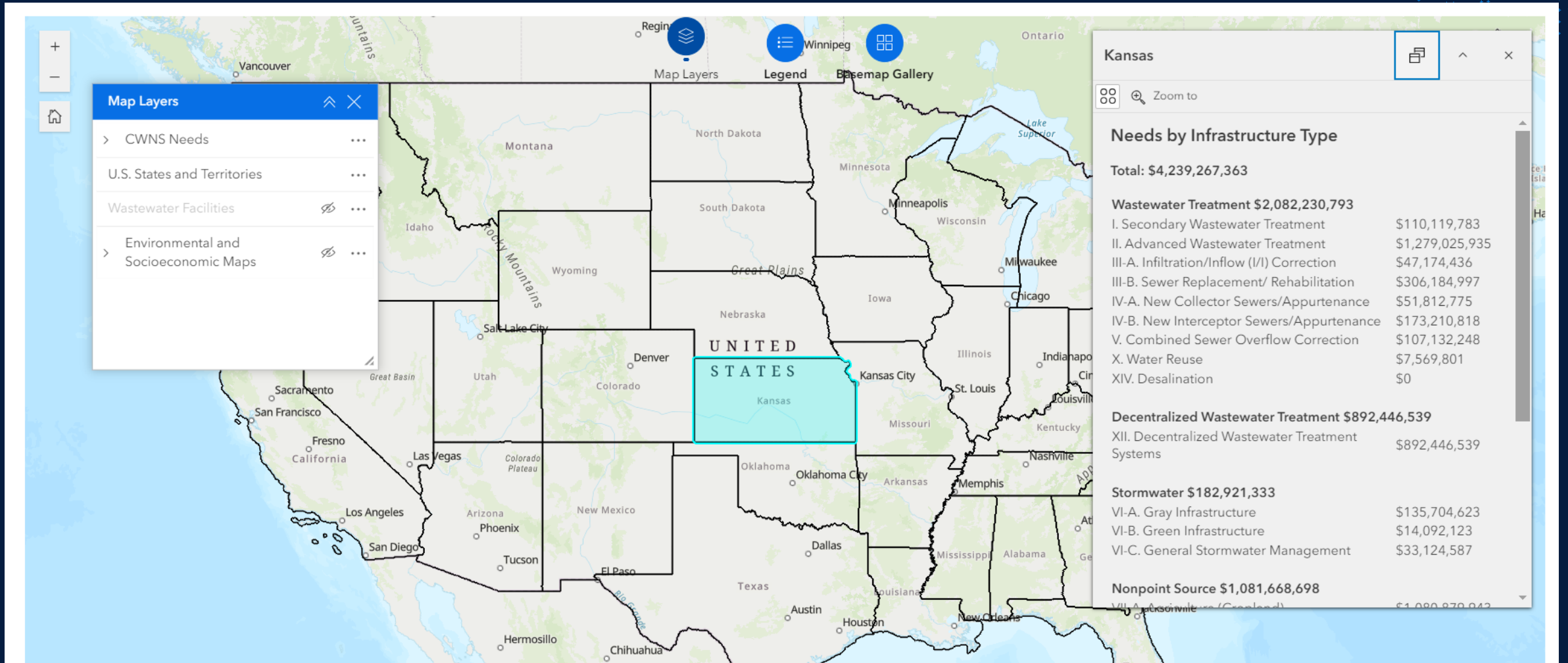
Need for simple, but more nuanced, cost estimation tools

Data Dashboard

- View total needs by state, infrastructure type, and needs category
- View technical data of POTWs
- Download state and national datasets



Data Dashboard: Updated Map



QUESTIONS?

CWNS@epa.gov



CWNS Data Dashboard