

# **The Value of Performance: *Overview/Status of the STEPP Program***

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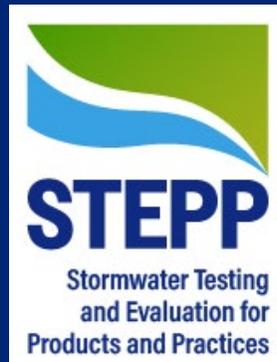
Stormwater Awareness Week

Seth Brown, PhD, PE | Executive Director

National Municipal Stormwater Alliance (NMSA)

— September 23, 2025 —

Scan the QR code or go to  
join NMSA and STEPP:  
<https://ms4nmsa.org/our-memberships/>



# Agenda



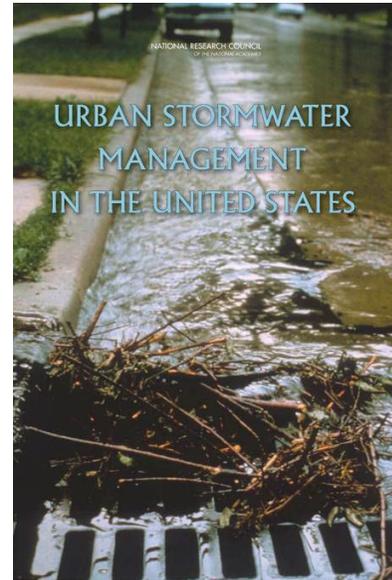
- **NMSA Background and Initiatives/Programs**
- **Overview of the STEPP Program**
- **The Value of Performance / STEPP**
- **Status/Future of STEPP**
- **Q&A**

# Where We Are Now



## Sector leaders have doubts...

- ***“EPA’s current approach to regulating stormwater is **unlikely ...to adequately control stormwater’s contribution to waterbody impairment**”***
- ***“In the **absence of a nationwide perspective** of the implementation of the stormwater program, it is hard to make a determination about the program’s **success.**”***
- ***“There is no **national uniform system of tracking success or cost data...**All these unknowns make it **very difficult to formulate any definite statements about how successful the implementation of the program is on a national perspective.**”***
- ***“In large part, the **lack of progress nationally towards controlling pollutants in stormwater discharges from the MS4s has been due to the** **absence of national SCM design standards.**”***



NAS,2009

# WEF MS4 Needs Assessment Survey



## Can the Federal MS4 Program Meet Clean Water Goals in the Long Term?

Survey Year	Yes (%)	No (%)	Unsure (%)
2020	36%	32%	32%
2022	30%	41%	29%

## Top factor limiting efforts to meet Clean Water Act goals

- *Lack of funding and investment (59%)*
- Community/public support (18%)
- Access to physical land or space for projects (13%)

# ASCE Infrastructure Report Card

nmsa

## Categories in the Report Card

- Capacity
- Condition
- Operations and Maintenance
- Funding
- Future Needs
- Public Safety
- Resilience & Innovation



# **A Simple Question...**

**How well do stormwater products and practices work?**

## **Problem Statement**

**There is no national organization that provides consistent, technical/credible and objective testing and verification of stormwater practices and products.**

# How Certain Are We Now?



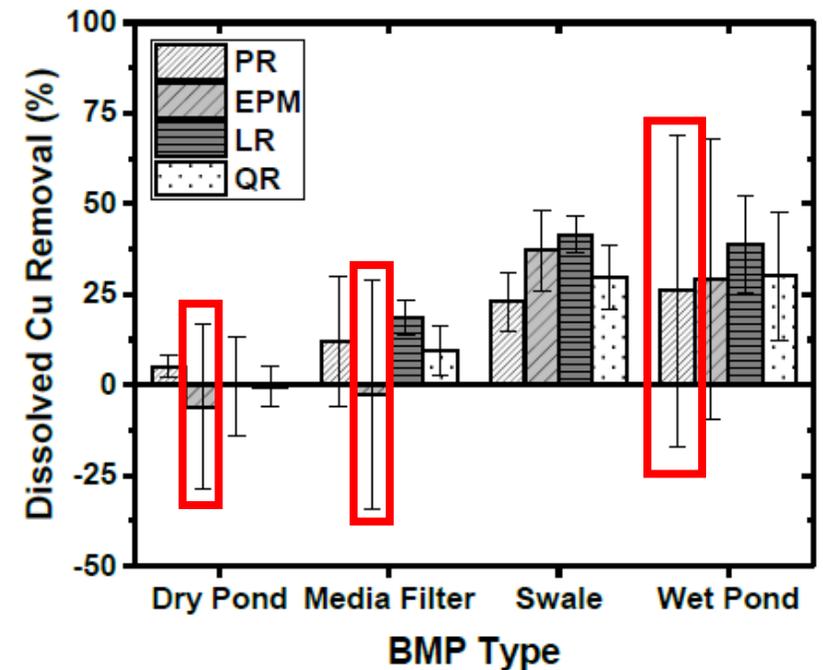
## From: BMP Performance Monitoring Data Compilation to Support Reasonable Assurance Analysis (SCCWRP, 2019)

- “Uncertainty estimates most frequently exceeded an order of magnitude regardless of BMP type or pollutant.”

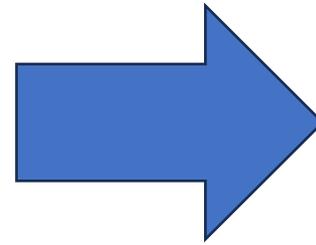
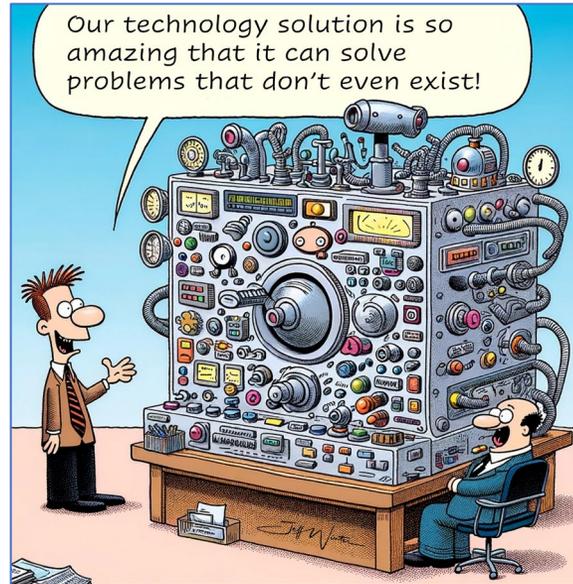
## From: Evaluation of Stormwater Control Measure Performance Uncertainty (Aguilar, 2019)

- “Overall results showed a significant level of performance uncertainty based on the use of the static metric (of % removal).”

### BMP Performance Monitoring Data Compilation to Support Reasonable Assurance Analysis



# Performance Evaluations



“Extraordinary claims require extraordinary evidence” – C. Sagan

**How is “performance” defined?**

**How is performance evaluated?**

**Who is evaluating performance?**

**Who benefits from the evaluation?**

**Who is paying for the evaluation?**

**How often is performance to be evaluated?**



# NMSA Background

# Overview of National Municipal Stormwater Alliance (NMSA)



- **Who/What is NMSA?**
  - *A national coalition focusing solely on MS4s*
  - *Members are organizations, not individuals*
- **Motivation for Formation**
  - To represent MS4 permittees at the national level by providing a **unified voice**
  - To lead changes in regulation both **proactively and reactively**
  - To **connect and unite** MS4 programs
  - To promote stormwater as a **resource**
  - To improve the **public image of stormwater**
  - To create opportunities for **multi-benefit and multi-use stormwater projects**
- **Vision for Organization**

# Our Action Areas



- **Sector Support and Information**
  - Support MS4-oriented organizations
- **Messaging & Communication**
  - Raise awareness on stormwater issues
- **Education**
  - Disseminate technical information
- **Policy/Advocacy**
  - Federal legislative/regulatory engagement

NMSA Action Areas

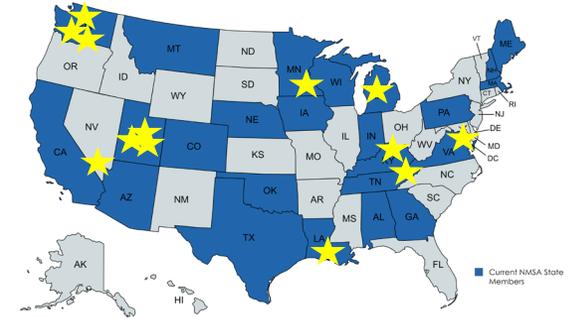
 <b>SECTOR SUPPORT &amp; INFORMATION</b> <ul style="list-style-type: none"><li>• Pursue projects at a national scope that are of interest to and benefit MS4 permittees.</li><li>• Transfer information and technology between state and regional MS4 groups.</li><li>• Communicate with member MS4s about multiple topics using a variety of platforms to disseminate information.</li><li>• Assist in managing existing or forming new state- and regional-level MS4 organizations.</li><li>• Coordinate with national organizations that impact the MS4 sector, including WEF's Stormwater Institute and its member associations.</li></ul>	 <b>POLICY &amp; ADVOCACY</b> <ul style="list-style-type: none"><li>• Speak directly with U.S. EPA staff and provide a conduit to federal regulatory and legislative contacts.</li><li>• Provide strategic support on regulatory and legislative actions at the state and local levels.</li><li>• Provide formal comments on federal regulatory proposals from the perspective of MS4 permittees.</li><li>• Provide timely communications on pending and ongoing regulatory and legislative actions impacting the MS4 community.</li><li>• Provide policy analyses to the MS4 community.</li><li>• Coordinate and work with other national groups to amplify messages on MS4 issues.</li></ul>
 <b>EDUCATION</b> <ul style="list-style-type: none"><li>• Provide forums for exchanging information, experience, and materials among MS4 permittees.</li><li>• Create or support the development of technical reports and guidance materials.</li><li>• Host technical forums and support member activities and conferences.</li><li>• Support and expand public education for stormwater.</li></ul>	 <b>MESSAGING &amp; COMMUNICATION</b> <ul style="list-style-type: none"><li>• Distribute information about court rulings and new rules and regulations.</li><li>• Collect, create, and distribute public education materials related to MS4 programs and policies.</li><li>• Explore national media campaigns and other initiatives to expand and amplify public education for stormwater.</li></ul>

# NMSA State of Membership



- **26 state groups currently members of NMSA**

- Represents approximately 4,400 of the total 7,500 MS4s in the U.S.
- Represents over half of the urban population in the U.S. subject to MS4 regulations



- **MS4, Affiliate, and Emeritus Members can join**

- **To join NMSA online use this QR code or go to:** →

- <https://ms4nmsa.org/our-memberships/>



- **To receive more information about NMSA membership** →



# Current State, Affiliate, & STEPP NMSA Members

State Org  
Members



CENTRAL MASSACHUSETTS REGIONAL STORMWATER COALITION



STEPP  
Members



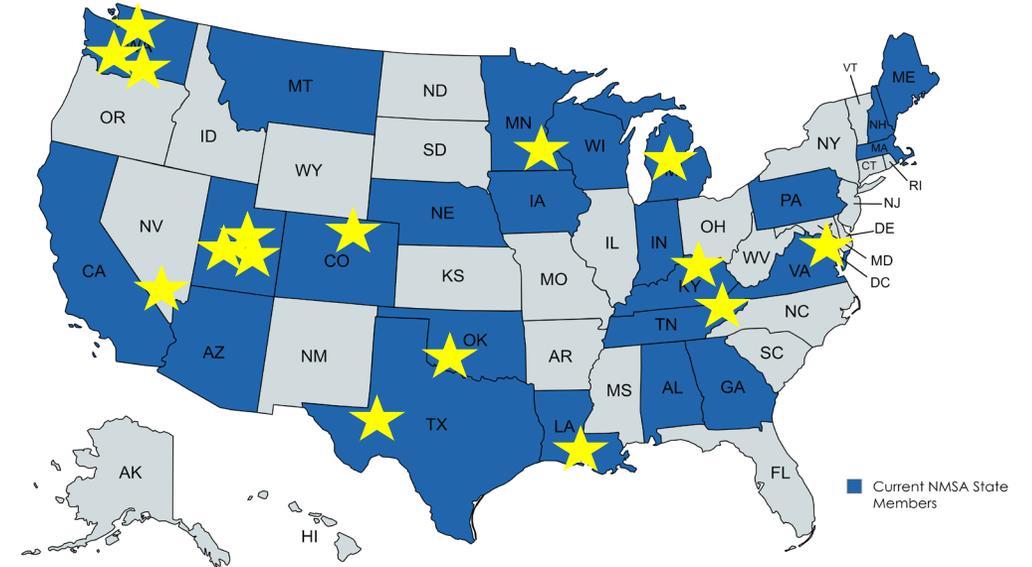
Affiliate  
Members



# MS4 Membership

## Current MS4 NMSA Members

- |                          |   |
|--------------------------|---|
| 1. Utah County, UT       | 17. Washington, D.C.  |
| 2. Clinton, UT           | 18. Baton Rouge, LA   |
| 3. Scottsbluff, NE       | 19. King County, WA   |
| 4. Cedar Hills, UT       | 20. Capitol Region Watershed District (St. Paul, MN)                                  |
| 5. Salem, UT             | 21. Kingsport, TN   |
| 6. Battle Ground, WA     | 22. Kitsap County, WA   |
| 7. Centralia, WA         | 23. Altus, OK   |
| 8. Payson City, UT       | 24. Greely, CO  |
| 9. Lindon City, UT       | 25. Thurston County, WA   |
| 10. Mapleton City, UT    | 26. Regional Flood Control District (Clark County, NV)                                |
| 11. Provo City, UT       | 27. Tri-County Regional Planning Commission (Clinton, Eaton, and Ingham Counties, MI) |
| 12. Farr West, UT        | 28. Sanitation District No. 1   |
| 13. Springville City, UT |   |
| 14. Logan City, UT       |   |
| 15. Katysville City, UT  |   |
| 16. Odessa, TX           |   |



= Current NMSA MS4 Members



# NMSA Goals

- **Catalyze the maturation of the sector**
  - We are “young” but finally coming of age
- **Change the culture of the sector**
  - Stop checking boxes and start embracing value
- **Accelerate innovation**
  - Lots of legacy approaches – let’s pretend it matters!
- **Create a national network for stormwater programs**
  - Disparate knowledge/professionals need to connect



# NMSA Initiatives and Projects

# National Stormwater Policy Forum



## Highlights

- EPA panel and panels on hot topics and legislative activities in stormwater
- Highest online and in-person attendance

## Legislative “Ask” document

- Outlines specific requests to federal Congress members
- Covers several issues:
  - *Funding for Community Stormwater Infrastructure*
  - *Support Market-Based Approaches for Cost-effective Stormwater Management*
  - *Improve/Streamline Permitting Process*



# NMSA Webinars and Trainings

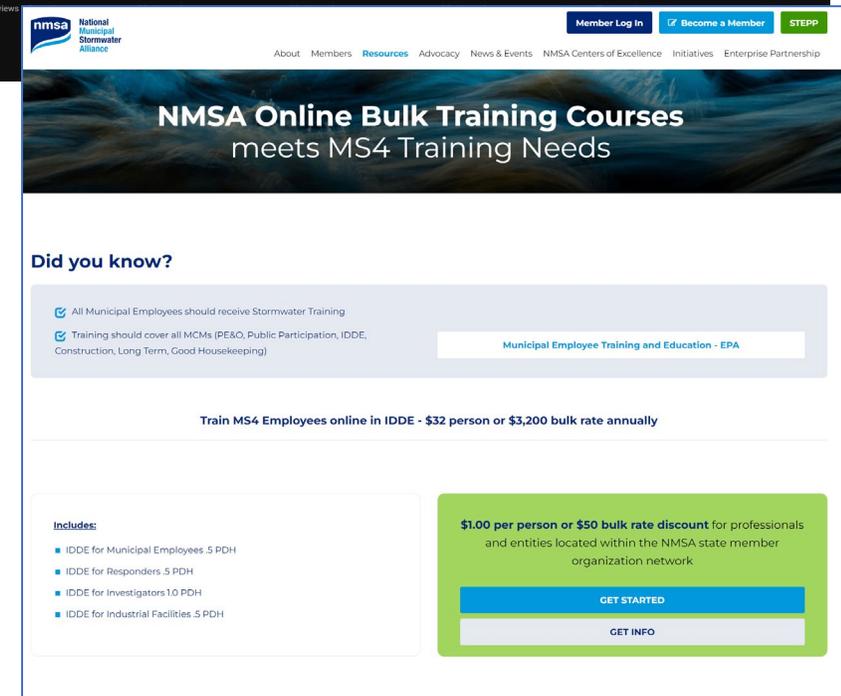
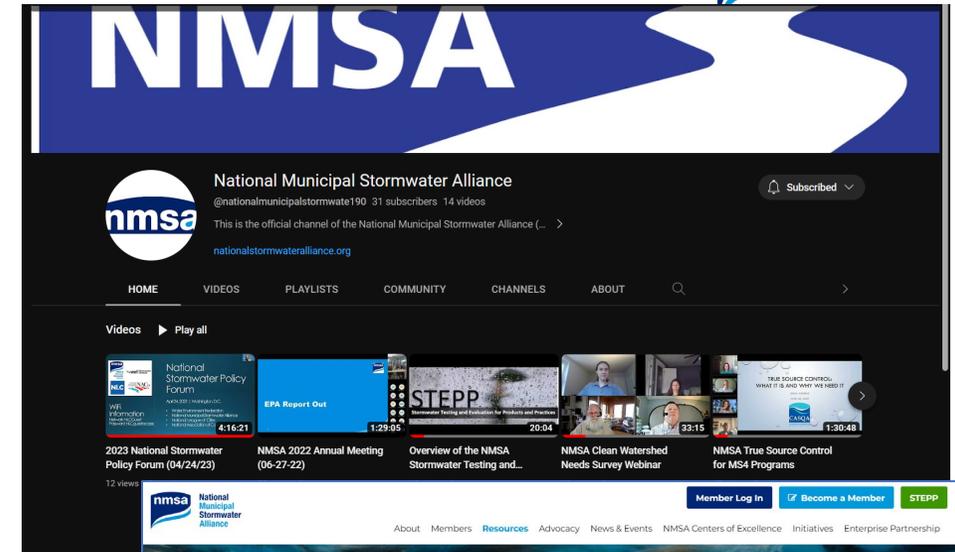


## Webinars

- Youtube channel - [http://bit.ly/NMSA\\_Youtube](http://bit.ly/NMSA_Youtube)
- Topics:
  - Annual meetings
  - Source control – with EPA
  - Stormwater capture & use – with EPA
  - Clean Watersheds Needs Survey – with EPA
  - E-reporting – with EPA
  - Long-term Planning for Stormwater

## Trainings

- NMSA Bulk Training Courses, Learning Management Systems
  - <https://ms4nmsa.org/nmsa-online-bulk-training-courses/>



# National Stormwater Day



- Nov 16, 1990 – Phase I MS4 Program Established
- Website: <https://stormwater.day/>
- Media kit available →
- Many other stormwater awareness efforts

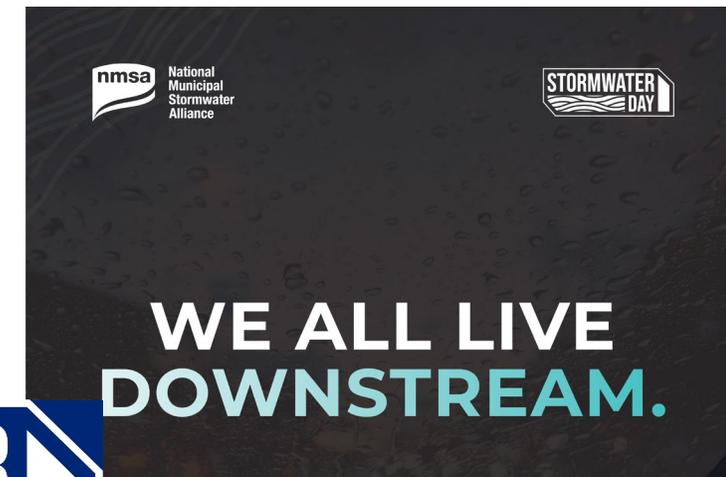
**National Stormwater Day Resources**

National Stormwater Day Promotional Toolkit

Webinar Sign Up Flyer	Stormwater Day Logos	Social Media Ads
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- **Examples:**

- State: Wisconsin Stormwater Week
- Local: Phoenix, Arizona Stormwater Awareness Week



**Other Stormwater Awareness Efforts:**

 Wisconsin Stormwater Week August 5-13, 2023	 Ohio Stormwater Awareness Week October 1-7, 2023	 California Stormwater Awareness Week September 25-29, 2023
 St. Cloud, Florida Stormwater Awareness Week September 21-25, 2020	 Phoenix, Arizona Stormwater Awareness Week January 25-31, 2021	 Omaha, Nebraska Stormwater Awareness Month April



# National MS4 Online Resource



- Resources provided by EPA
- Goals are to provide a resource that:
  - Provides basic information on fundamental aspects of MS4 programs
  - Links to online resources pertinent to MS4 program managers

**National MS4 Online Resource**

Submit a Resource

Please use the form below to submit a new resource.

Submit a Resource

Fields are required unless otherwise indicated.

Name \*

Email \*

Article Title \*

Author \*

Article Web Link \*

Article Description (1,000 Characters or 500 Words Max) \*

Select A Category \*

- Municipal Separate Storm Sewer System (MS4) 101
- Communications and Outreach
- Funding
- Operations
- Program Goals and Management
- Water Quality Outcomes

Submit

**• Submit a Resource**

- Name, contact info
- Resource information
- Select one or more category(ies)

**Note: Resources submitted should be not heavily commercial and should be publicly available online. NMSA will review/curate submissions and approve/reject based upon relevance to the MS4 sector.**

RESOURCES Contact Us Feedback Submit A Resource

## WELCOME TO THE NATIONAL MS4 ONLINE RESOURCE

Welcome to this Guide For Building Excellence in Stormwater Management!

Municipal stormwater departments and utilities face difficult challenges in building and maintaining effective programs. The ideas and advice in the guide are not intended to be a substitute for or interpretation of NPDES permit requirements, but rather a set of tools to assist in meeting permit requirements and other municipal goals.

As we issue this initial guide, we hope that with your help we can improve it over time. Based on your feedback, we plan to make improvements to existing chapters and possibly introduce new ones depending upon the topics and issues the community of stormwater managers identify as most in need of support. We look forward to hearing your feedback, and we hope this proves to be useful in your efforts to build and maintain excellence in stormwater management.

Contents

- ✓ Keys To Long-Term Success
- ✓ Organization of the Guide

Back to top

### Keys To Long-Term Success

In working with stormwater managers across the United States from very small to very large communities, we've observed the importance of several key program capabilities that seem to be critical to long-term success:

- **Stormwater management requires special skills.** All stormwater programs need at least a basic level of technical, managerial, and financial capabilities to address the unique demands of stormwater management.
- **All communities need to make the "business case"** for robust stormwater management, addressing benefits and avoided costs of better stormwater management, to the public and key decision-makers in order to obtain necessary program support and resources.
- **Long-term program planning** is critical to setting goals, identifying needed future actions and investments, and determining whether an independent stormwater utility is needed.
- **Long-term financial planning** is critical, taking into account funding needs, revenue sources, affordability considerations, and their connection to long term program commitments.
- Investment in some level of **active asset management planning** to enable tracking and maintenance of current assets (and inclusion of new assets) greatly improves a community's ability to properly track, operate, and maintain existing program infrastructure and resources.

RESOURCES Contact Us Feedback Submit A Resource

## Building Excellence in Stormwater Management

This web resource was funded by EPA and is maintained by NMSA. The guide draws upon diverse experiences of local communities in developing successful programs and addresses key program challenges and elements identified by stormwater program managers and regulatory agencies across the country.

We welcome you to read more about the vision and purpose of this web resource and explore the site using the links below. This online portal is an ongoing effort, as you interact with the content of this resource, please let us know about your experience by using our [feedback form](#). We will use your input to perform periodic updates of existing topics and potential expansion of the topics covered as well.

### Explore the Guide

# CBP3 Center of Excellence



## The Community-Based Public-Private Partnership (CBP3) Center for Water, Energy and Equitable Economic Resilience

- Promotes the CBP3 program approach through:
  - Direct community technical assistance
  - Development of resources and community support material
  - Administers the CBP3 Professional Certificate
  - <http://nationalstormwateralliance.org/cbp3/>

## Technical Support for Communities

- Over 100 communities across 12 regions in past cohorts
- Each region engaged with the CBP3 Center to:
  - Learn more about CBP3 program approach
  - Understand how CBP3 program approach can be used in their community
  - Coordinate to develop procurement documents (RFI/RFQ/RFP) tailored to CBP3 program approach developed for community to use



NMSA, 2021



CBP3 Community Support Cohort Regions

# EPA STORMWATER CENTERS OF EXCELLENCE



Four (4) SCE and one (1) national electronic clearinghouse

Conduct research and provide technical assistance to state, tribal, and local governments

*Support stormwater infrastructure to:*

-  **Protect public health**
-  **Safeguard environment**
-  **Increase resilience to extreme events**

# Cold Climate Center of Excellence for Stormwater Infrastructure Technologies (CCCESITs)

## CCCESIT Focus Areas

- Conduct research on new and emerging stormwater control infrastructure technologies.
- Provide technical assistance to state, Tribal and local governments to assist with the design, construction, and O&M of SCM projects that use innovative technologies.
- Collaborate with regional research institutions and private/public organizations and community-based public-private partnerships to share findings and recommendations.



**NMSA partnered with UNH and UMN**



# NMSA Policy Engagement/Priorities



## Proposed MS4 Permit Improvements

- Purpose – to provide feedback to EPA on how to improve MS4 program
- NMSA drafted nine proposed permit improvements – **SEEKING INPUT FROM THE SECTOR**

Topics include:

- Standardizing public outreach and education framework
- Flexibility in public involvement of permitted activities
- IDDE flexibility in programs
- Flexibility in inspection and reporting requirements
- Industrial and construction permitting to be reduced/removed from MS4 permits
- Flexibility in offsite post-construction runoff
- Permit recognition of stormwater infrastructure verified by independent third-party programs
- Flexibility in monitoring and program reporting



Go to <https://ms4nmsa.org/ms4-permit-improvement-feedback/>  
and provide your input to help inform this issue

# National Stormwater Leadership Coalition



AMERICAN  
RIVERS

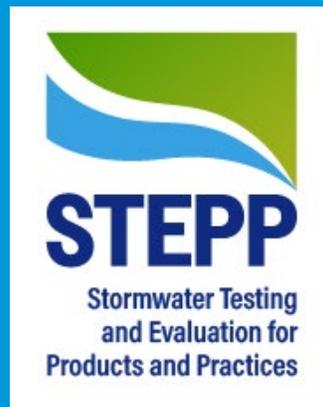


## Purpose:

- To bring together stormwater-oriented groups develop a national-level policy agenda to catalyze positive and constructive changes and solutions.



# Introducing: Stormwater Testing and Evaluation for Products and Practices (STEPP)



# **A Simple Question...**

**How well do stormwater products and practices work?**

## **Problem Statement**

**There is no national organization that provides consistent, technical/credible and objective testing and verification of stormwater practices and products.**

# Stormwater Testing and Evaluation of Products and Practices (STEPP)

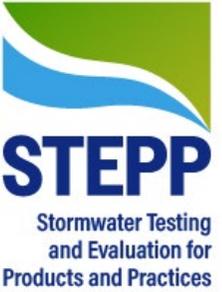


**Goal:** Develop a national testing/evaluation and verification program for stormwater products **and** practices

- Increase overall performance and create level/higher playing field
- Leverage respected existing state verification programs
- Provide greater confidence in performance of stormwater systems
- Enhance the value proposition for stormwater investments
- Improve water quality



# STEPP Verification Program



- When fully operational, STEPP will:
  - Develop ASTM performance testing standards for stormwater infrastructure.
  - Verify performance claims of a variety of stormwater products and practices using ASTM testing standards in lab- and field-based testing context.
  - Provide support to members via technical guidance.
- Note that STEPP does not perform testing services.

# Performance Testing Standards

## What is a Performance Testing Standard?

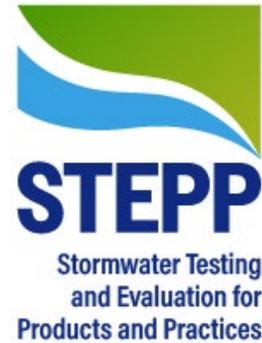
- Outlines consistent methods and definitive procedures that produce a result.

## Value of Using Testing Standards

- Provides technical basis for testing that is:
  - Technically credible/sound
  - Based upon consensus within the sector
  - Consistently applied across various products and practices
- **Enhances the trust in verified data produced by testing using ASTM standards**



# Testing and Verification



## Standardized Testing

Provides credible, consistent testing results following standardized test methods and processes



## Verification

Reviews standardized testing process and personnel and verifies the validity of test results through qualified, independent 3<sup>rd</sup> party review

# Verification Process

## 4. Approval for use decision provided

### Product or Practice Representative(s)

1. Submit application for verification

### STEPP Program Services

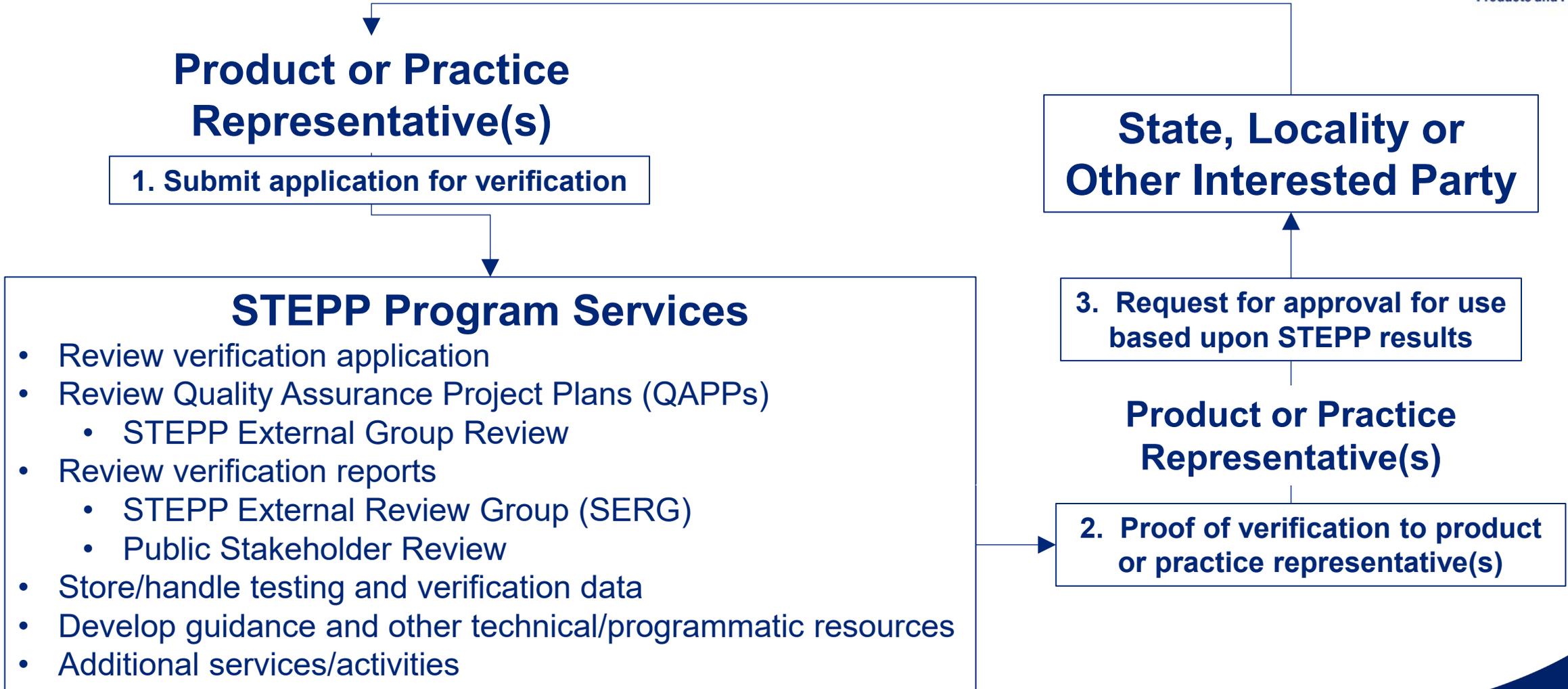
- Review verification application
- Review Quality Assurance Project Plans (QAPPs)
  - STEPP External Group Review
- Review verification reports
  - STEPP External Review Group (SERG)
  - Public Stakeholder Review
- Store/handle testing and verification data
- Develop guidance and other technical/programmatic resources
- Additional services/activities

### State, Locality or Other Interested Party

3. Request for approval for use based upon STEPP results

### Product or Practice Representative(s)

2. Proof of verification to product or practice representative(s)



# Provide Technical Support

- How to interpret verified performance test data?
- How to integrate this information into my program?
- How does sizing of the product/practice tie in with the verified performance data provided?
- How does performance testing collected in one context translate to my local area/conditions?

# STEPP Stands on the Shoulders of Giants



## Washington TAPE and NJCAT are the basis for the STEPP program



- STEPP program is working with the Washington State TAPE program and other state verification programs to pull these state programs into a national program for the testing and verification of stormwater products and practices.
- Until STEPP is at the point where the program is providing a full suite of lab-based and field-based testing verification services, the TAPE program and other state verification programs will continue to operate.

# **What is the Value of STEPP?**

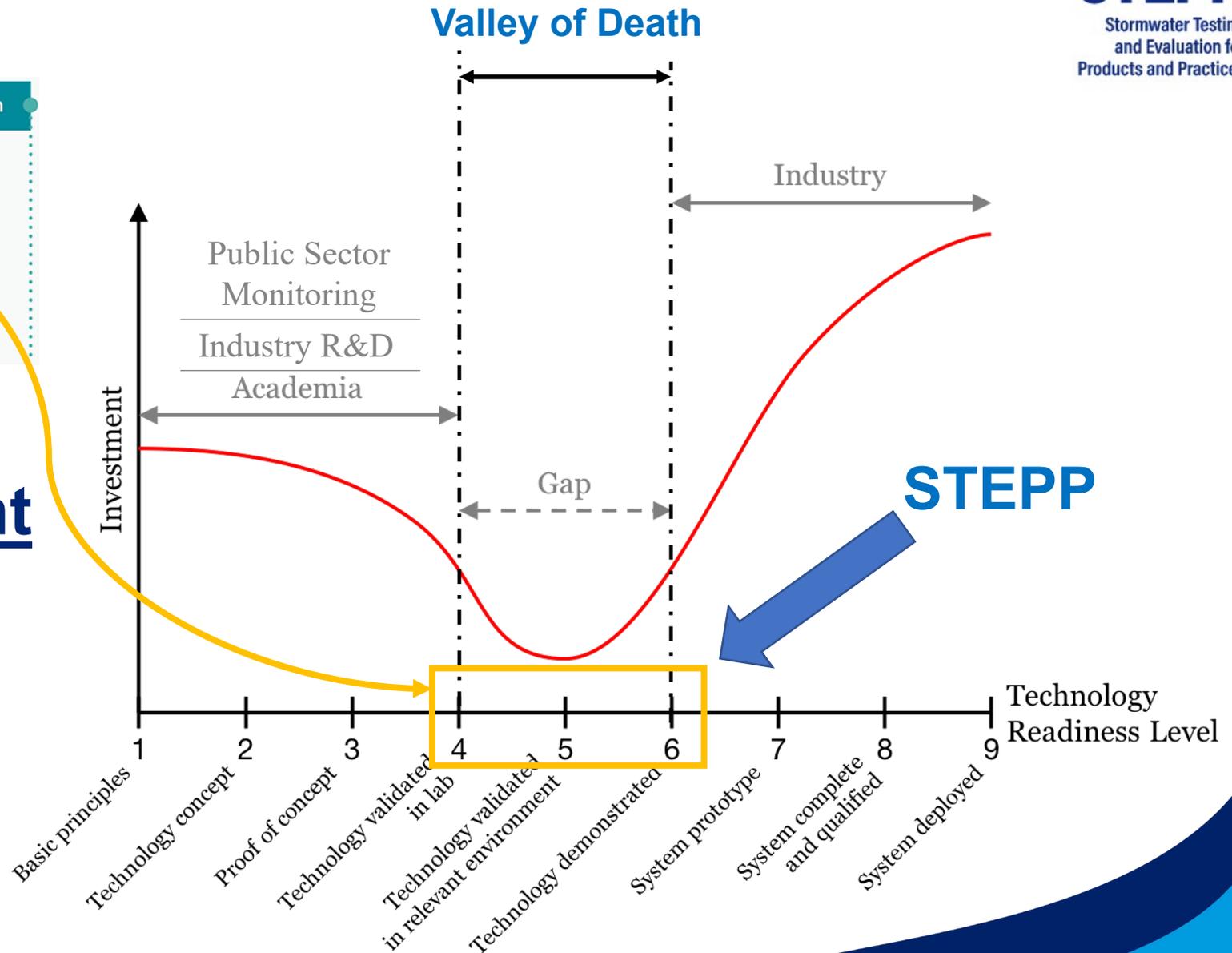
# Accelerating Innovation

## Technology Readiness Levels

Basic Research	Applied Research	Development	Implementation
<ol style="list-style-type: none"> <li>1 Basic principles and research.</li> <li>2 Application formulated.</li> <li>3 Proof of concept.</li> </ol>	<ol style="list-style-type: none"> <li>4 Components validated in a laboratory environment.</li> <li>5 Integrated components demonstrated in a laboratory environment.</li> </ol>	<ol style="list-style-type: none"> <li>6 Prototype demonstrated in relevant environment.</li> <li>7 Prototype demonstrated in operational environment.</li> <li>8 Technology proven in operational environment.</li> </ol>	<ol style="list-style-type: none"> <li>9 Technology refined and adopted.</li> </ol>

## Continual Improvement

- Program will evolve over time
- Incorporate new scientific techniques & evaluation tools



# The Value of STEPP



## Value varies by stakeholder:

- Stormwater Manufacturers Treatment Device (MTD) and Sellers
- Stormwater Equipment Purchasers (most of whom hold stormwater discharge permits from state or federal NPDES permitting agencies)
- Stormwater Permitting Agencies
- Other stakeholders, including non-governmental organizations (NGOs), researchers, consultants, technical assistance providers, and other organizations with interests in assessing and assuring the effectiveness of stormwater management strategies

# The Value of STEPP

## Value for Stormwater Manufacturers Treatment Device (MTD) and Sellers

- Fosters a national marketplace
- Lowers barriers to entry
- Streamlines approval process
- Reduces the cost/time for verification

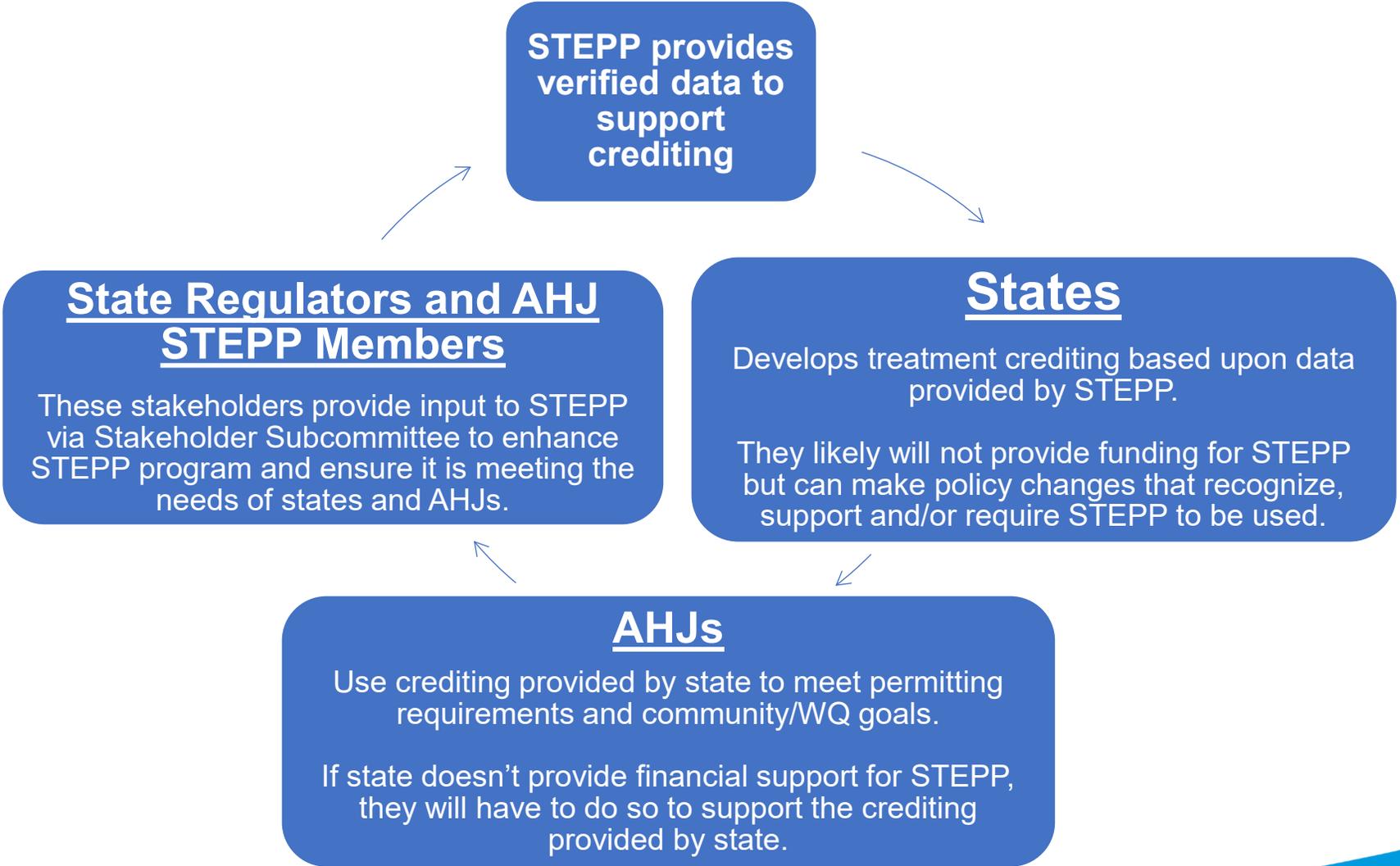
# The Value of STEPP

## Stormwater Equipment Purchasers

- Generates trusted performance data
- Enables informed decisions
- Accelerates innovation
- Consistency in approval for use
- Creates more options for products/practices
- Generates value for stormwater infrastructure investments

# The Value to Permitting Agencies

## State-AHJ Connections



# The Value of STEPP



## Other Stakeholders

- Enables more consistent designs (land developers)
- Provides greater assurance of performance (enviro NGOs)
- Clarifies the ability of product/practice to meet project goals and requirements (consultants)
- Provides a platform for increased applied research (researchers)

# The Value of STEPP



## Provide Permit Compliance Support?

### City/County of San Francisco vs. U.S. EPA

- Arguments heard October 2024
- SF City/County challenging EPA's use of "vague and generic" narrative language to describe NPDES permit discharge requirement.
- Rooted in SF's combined sewer overflow discharges
- Question is, "whether EPA...(can) subject (NPDES) permit holders to enforcement of water quality standards without identifying specific limits to which their discharges must conform."
  - Are NPDES narrative limits permissible?
  - IS MAXIMUM EXTENT PRACTICABLE (MEP) IN QUESTION?
- Recording from webinar on SCOTUS cases hosted by NMSA on Fri, February 28 is available:
  - <https://www.youtube.com/watch?v=f-aXii1rvb4>



FedSoc Forums, 2025

# The Value of STEPP



## Provide Permit Compliance Support?

### City/County of San Francisco vs. U.S. EPA

- Ruling given on March 4, 2025 on a 5-4 vote siding with San Francisco
- Opinion delivered by Alito and dissent delivered by Barrett

### SCOTUS ruling highlights and potential impacts

- Strikes down EPA's use of narrative "end-result" limitations in discharge permits
- Preserves the use of narrative permit provisions
- May lead to use of numeric limitations for stormwater discharges
- Focus on more specifics in narrative limits and performance/efficacy
- **May lead to more focus on monitoring for compliance and/or testing/verification of stormwater infrastructure (i.e., WA TAPE, NJCAT, STEPP programs)**



FedSoc Forums, 2025



# **What is the Status/Future of STEPP?**

# ASTM E64 Committee on Stormwater Control Measures

- ASTM E64 Committee on Stormwater Control Measures
  - <https://www.astm.org/get-involved/technical-committees/committee-e64>
- Lab Testing
  - Trash capture standard finalized
  - NJCAT lab-based protocols being standardized
    - Hydrodynamic separators standards finalized
    - Filter systems completion anticipated in next 3-6 months
- Field Testing
  - WA TAPE protocol field-based test methods standards near completion
    - Completion anticipated in next 3-6 months



# STEPP Updates



- Now in Phase 3 of the program development
- Lab-based testing verification services now include:
  - Trash capture technologies
  - Hydrodynamic separators (HDS)
  - Concurrence verifications for NJDEP certified HDS technologies
- Adding verification for filter technologies in lab testing by end of 2025/early 2026
- Four applications for verification services have been received

# STEPP Updates

- Field-based testing aspect is developing
- Significant policy activities on STEPP
- Support now being provided through EPA Stormwater Center of Excellence
- New website has been launched  
<http://stormwatertesting.org>
- **MS4s can now become STEPP Members**



# TAPE / STEPP Status



- TAPE is operating and viable and continues to accepting applications for verification and certification.
- STEPP and TAPE will run in parallel and work together to provide verification services during pilot phase.
- Once STEPP is fully set up and shown to be consistent with TAPE services, TAPE will end.
- Anticipated that STEPP will provide “concurrency” verifications based upon some/all past TAPE verifications.

# Field Testing STEPP Status



- ASTM test method standard based upon TAPE protocols finalized
- STEPP will utilize ASTM field test method standard along with TAPE-based policies and procedures.
- STEPP field testing program will consider maintenance as well as treatment efficacy.

# STEPPing Forward



## What's on the Horizon?

- Address current applications
- Continue to provide lab-based verification services for trash, hydrodynamic separators (HDS), and concurrence services
- Add lab-based filter verification once standards are published
- Update and expand STEPP website
- Finalize governance and administrative services
- Develop “value-add” products
- Continue with ongoing initiatives, engagement and outreach
- Get MS4 members on board

# STEPPing into the Future



## What's Next?

- Development of technical guidance on how to implement STEPP locally
- Better understanding of performance in different climates/contexts
- Public domain practices testing and verification (ponds, bioretention facilities, green roofs, permeable pavements, swales, etc.)
- More technologies (ex: street sweeping), ASTM testing standards, and pollutants (including emerging contaminants)
- Long-term performance (i.e., performance decay) to enhance understanding of O&M efforts/best practices
- Maybe use “synthetic stormwater” in lab and/or field testing?
- Make STEPP international?

# STEPP MS4 Membership



## MS4s can join STEPP!

- Discounts for MS4s located in the NMSA state organization network
- STEPP/NMSA Combined Memberships are also available for MS4s
  - *Phase II and non-traditional MS4s = \$300-\$330 annual fee for individual MS4s; \$240-\$270 annual fee for groups of MS4s*
  - *Phase I and State DOTs = \$600-\$660 annual fee*
- STEPP/NMSA Combined Membership Benefits
  - All NMSA MS4 Membership benefits as well as:
    - STEPP MS4 Membership benefits:
      - Understand the value of performance for all stormwater infrastructure, both proprietary products and public domain practices
      - Gain access to all available STEPP verification data and documents
      - Be eligible to access technical guidance and training on how to interpret, understand and apply/integrate STEPP verified data in your stormwater program
      - Be eligible to serve in key elements of STEPP program governance bodies, such as the STEPP Stakeholder Subcommittee
      - Receive regular updates on the STEPP program including new products and services available to STEPP members

**MS4s can join STEPP online:**  
<https://ms4nmsa.org/our-memberships/>

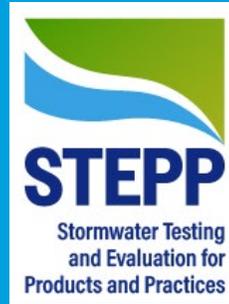


# Conclusion



- **Performance is a question in stormwater**
- **Programs to support but verify help**
- **STEPP was established to provide this help**
- **STEPP is operational and growing**
- **Join us to help move the sector forward!**

# Questions?



Visit the NMSA website at [ms4nmsa.org](https://ms4nmsa.org)

Visit the STEPP website at [stormwatertesting.org](https://stormwatertesting.org)

Scan the **QR code** to join NMSA and/or STEPP program or go directly to <https://ms4nmsa.org/our-memberships/>

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