



## WEF Stormwater Summit

**Day 1**  
**Tuesday, June 28**

(Last updated May 25 2022)

**Hyatt Regency Minneapolis**  
**Minneapolis, Minnesota**  
**June 27-29, 2022**

[www.wef.org/stormwatersummit](http://www.wef.org/stormwatersummit)

**#WEFStormwater**



*This conference is held by the Water Environment Federation Stormwater Institute (SWI) in cooperation with the Central States Water Environment Association.*

## **Opening General Session**

**Tuesday, June 28, 2022, 8:30 a.m. - 10:00 a.m.**

- 8:30 A.M. Welcome to the 2022 Summit!**  
Mark Doneux, *Capitol Region Watershed District, 2022 Co-Chair*  
Nancy Ellwood, *Retired from CDM Smith, 2022 Co-Chair*
- 8:40 A.M. WEF Welcome**  
Lynn Broaddus, *WEF Board of Trustees, Broadview Collaborative, Inc.*
- 8:45 A.M. Central States Water Environment Association Welcome**
- 8:50 A.M. Update on Federal Stormwater Policies and Funding**  
Speaker TBD
- 9:20 A.M. Young Voices Advocating for Improved Water Quality in Local Waterways Through Education, Action and Policy Change**  
Bill Dean, Poseidon Education
- 10:00 A.M. Session Adjourns for Networking Break**

## **Facility Tour: Walk This Way - Downtown Minneapolis Stormwater Walking Tour**

Self-guided tour – Utilize [Geotourist App](#) for tour, key stops include:

This self-guided walking tour will include stops at Westminster Presbyterian Church in downtown Minneapolis which installed a stormwater reuse system that uses recycled stormwater for flushing toilets, irrigating onsite vegetation and feeding a decorative fountain along Nicollet Mall. Another stop will take you to the Elliot Park Skate Plaza to see the green infrastructure including bioretention, permeable pavers and includes pollinator habitat. The next stop will take you to the 8th Street Stormwater planters that infiltrate polluted runoff and provide greening in a busy downtown corridor. The last stop will take you to the 4th Street Reconstruction project was reconstructed in 2021, and in addition to adding two-way protected bike facility, the City added 3 bioretention areas and over ½ acre of sustainable landscaping and trees throughout the boulevards. The City incorporated green infrastructure in response to requests from the stakeholders and to demonstrate a commitment to addressing water quality and greening goals on their own projects. On your way back to the conference hotel, you can stroll along the Nicolett Mall which is a 12 block pedestrian and transit way and is the core dining and shopping district in the City of Minneapolis.

*Tour Notice: This is an outside walking tour and to best experience the stops you will need to download the Geotourist App on your smart phone (<https://geotourist.com/>). The tour is approximately 3 miles and may take about an hour just for the walking portion. Participants in this self-guided walking field tour should wear weather appropriate clothing and comfortable walking shoes.*

**Session 01: Getting a Handle: Planning and Technology for Stormwater Improvements  
Tuesday, June 28, 2022, 10:45 a.m. - 12:15 p.m.**

- 10:45 a.m. Stormwater Capture: Identifying Stormwater Needs Without a (Capital) Plan**  
Zachary Henderson, Woodard & Curran Inc
- 11:15 a.m. Defining our Water Resources Utility: Stormwater Management & More**  
Stephanie Fleckenstein, HDR; Pete De Kock, City of Clive; Rachel Conrad
- 11:45 a.m. Update on STEPP and ASTM Committee E64 on Stormwater Control Measures**  
Gregory Williams, StormTrap; Seth Brown; Andy Erickson, St. Anthony Falls Lab;  
University of Minnesota
- 12:15 p.m. Session adjourns for luncheon in exhibit hall**

**Session 02: Reducing Risks Through Effective Stormwater Asset Management  
Tuesday, June 28, 2022, 10:45 a.m. - 12:15 p.m.**

- 10:45 a.m. Thousands of BMPs? How to Best Manage and Prepare for Maintenance**  
Laura Wehr, AE2S; Kristin Seaman, City of Woodbury
- 11:15 a.m. Stormwater Risk Assessment in Portland, Oregon**  
Arnold Engelmann; Heidi Berg, Bureau of Environmental Services
- 11:45 a.m. Burnsville Minnesota Stormwater Risk Assessment, Resiliency Study, and Twin Lakes Flood Risk Reduction Improvement Project**  
Amber Lefers, Advanced Engineering and Environmental Services Inc; Justin Klabo
- 12:15 p.m. Session adjourns for luncheon in exhibit hall**
- Alternate Prioritizing Stormwater Funding Requirements by Integrating Asset Management and Watershed-Focused Capital Planning**  
John Aldrich, CDM Smith

**Session 03: Minnesota NICE! Governance, Research and Financing for Clean Water Projects in Minnesota**

**Tuesday, June 28, 2022, 10:45 a.m. – 12:15 p.m.**

**Coordinator:** Mark Doneux, Capitol Region Water District

Minnesota is not only the land of 10,000 lakes but also has abundant resources to govern, research and finance clean water projects. This session will bring together three key elements to improving water quality, through governance, research and financing.

The first presentation will be about governance. Watershed districts are unique to Minnesota and as a local, special-purpose units of government that work to solve and prevent water-related problems. The boundaries of each district follow those of a natural watershed and consist of land in which all water flows to one outlet.

The next presentation will focus on research. The St. Anthony Falls Laboratory (SAFL) is an interdisciplinary fluid mechanics research lab and educational facility under the College of Science and Engineering at the University of Minnesota. SAFL conducts numerous projects looking to quantify the impacts of human actions on water quality and aquatic ecosystems.

This session will end with a discussion about financing. Minnesota voters approved the Clean Water, Land and Legacy Amendment to the constitution to protect drinking water sources; to protect, enhance, and restore wetlands, prairies, forests, and fish, game, and wildlife habitat. The amendment increased the sales and use tax rate by three-eighths of one percent

*A full detailed agenda for this session is coming soon.*

**Facility Tour: Stormwater Reuse, and LID Too!**

**Tuesday, June 28, 2022, 1:00 p.m. – 4:30 p.m.**

**Limit of 50 People**

*(Additional fees apply)*

This tour will visit innovative stormwater management in Saint Paul and Minneapolis. Tour stops include Allianz Field, the new home of the Minnesota United FC Major League Soccer team. See all of the latest innovative stormwater management at and around Allianz Field, where the City of Saint Paul and the United FC have developed landmark clean water infrastructure, which will recycle more than 2 million gallons of rainwater every year. This unique system, the largest and smartest of its kind, will be used to irrigate trees and grass across the site, and to serve future developments around the stadium. Capitol Region Watershed District's (CRWD) new office building and see its state-of-the-art rainwater harvest and reuse systems along with LID practices, landscaping and pocket park, all developed on a brownfield site. Towerside Innovation District in Minneapolis. This system collects stormwater from 4 new multi-family housing developments and centrally treats the stormwater runoff in rain gardens that also serve as park-like, publicly accessible spaces.

PPE Notice: Participants in this field tour are required to wear closed-toed shoes; flip flops, sandals, and open-toed shoes are not permitted. Access to the underground treatment vault at Allianz Field will be limited based on the time available at this stop and anticipated number of attendees.

**Session 04: Collaboration for Climate Resilience**  
**Tuesday, June 28, 2022, 1:30 p.m. - 4:45 p.m.**

- 1:30 p.m.**      **The Final Phase - Completing the Norwaldo Neighborhood Green Infrastructure Project**  
Robert Page, HNTB Corporation
- 2:00 p.m.**      **A Park with Purpose: Improving Water Quality and Enhancing a Valued Community Space in a Disadvantaged Community**  
Brenda Ponton, Woodard & Curran
- 2:30 p.m.**      **Pilot Facility-Level Climate Change Adaptation Assessment for Little Indian Creek**  
Kristen Navaroli, Chris Dorney, Justin Lennon, Michael Flood, Rawlings Miller, Eleeja Shrestha, Timothy Grose, Annika Ragsdale, WSP USA
- 3:00 p.m.**      **Networking break**
- 3:45 p.m.**      **Engineering for Changing Rainfall in Southeast Michigan**  
Daniel Christian, Tetra Tech Inc; Kelly Karll, Rachael Barlock, Semcog
- 4:15 p.m.**      **Navigating a series of “No’s” to successfully implement green infrastructure (GI) in a city without requirements: Establishing Sustainable Landscaping**  
Allison Bell, Katie Kowalczyk, City of Minneapolis
- 4:45 p.m.**      **Session adjourns for networking reception in exhibit hall**

**Session 05: Engaging the Public**  
**Tuesday, June 28, 2022, 1:30 p.m. - 3:00 p.m.**

- 1:30 p.m.**      **Lick Run Creek Greenway: Using Green Solutions to Build Bridges Within a Community**  
Leslie Schehl, Larry Falkin, Deb Leonard, Metropolitan Sewer District of Greater Cincinnati
- 2:00 p.m.**      **Urban Retrofits: Stormwater retrofit plan for Minneapolis and what our first project did to incorporate paid learning lab jobs training into infrastructure projects**  
Katie Kowalczyk, Allison Bell, City of Minneapolis
- 2:30 p.m.**      **Stormwater Solutions (Whether Green or Gray) - Collaboration and Integration are Key**  
Grace LeRose, Patrick Bradley, William Boston, Jennifer Clarke, Howard Glenn, City of Richmond
- 4:45 p.m.**      **Session adjourns for networking break**

**Session 06: Rainfall to Results Version 2.0 - Charting the Future of Stormwater at WEF  
Tuesday, June 28, 2022, 1:30 p.m. – 3:00 p.m.**

**Coordinator:** Scott Taylor, Michael Baker International

**Presenter:** Michael Deane, Clean Water State Revolving Fund, U.S. EPA

This session will do a deep dive into the WEF Rainfall to Results Version 2.0 and the Bipartisan Infrastructure Bill (BIL), which will provide the largest ever increase in federal funding to support local stormwater infrastructure investment.

Mr. Michael Deane, Chief of the Clean Water State Revolving Fund (SRF) at the US EPA, will be presenting on the new and increased federal funding for local stormwater infrastructure investments included in the Bipartisan Infrastructure Bill, as well as other EPA programs to assist communities with stormwater planning. The Clean Water SRF will receive at minimum over \$12.8 billion over the next five years, and stormwater infrastructure projects are eligible to access the funding. The EPA has developed guidance and technical assistance tools to help potential stormwater projects obtain funding.

**Technology Spotlight I**

**Tuesday, June 28**

**3:15 p.m. – 3:40 p.m.**

*Please grab coffee or tea first, and then the two exhibitors listed below will each be holding a 20-minute presentation in their booth. For this one, the presenters will only present once, so participants are invited to choose one to attend in the exhibitor's booth. We will hold a brief explanation at 3:15 with **presentations starting at 3:20pm.***

**Booth tbc**      **Continuous Monitoring - Real-Time, Decision-Quality Data to Monitor TMDLs and Optimize BMPs, Simplified**  
Andrew Luessenhop, *In-Situ, Inc.*

**Booth tbc**      **Advances in Green Infrastructure Designs Using High-Flow Biofiltration Technology for Stormwater Quality Treatment**  
Mark Miller, *AquaShield, Inc.*

**Session 07: National Municipal and Green Infrastructure Awards: Highlighting Success and Innovation in Stormwater**

**Tuesday, June 28, 2022, 3:45 p.m. - 4:45 p.m.**

**3:45 p.m. National Municipal and Green Infrastructure Awards: Highlighting Success and Innovation in Stormwater**

Andrew Smith, Black & Veatch

**4:45 p.m. Session adjourns for networking break**

**Session 08: Improving the Stormwater Data in the 2022 EPA Clean Watershed Need Survey: The Perspectives of EPA, States, and Local Stormwater Programs**

**Tuesday, June 28, 2022, 3:45 p.m. – 4:45 p.m.**

**Speakers:** Randy Neprash, Stantec, Minnesota Cities Stormwater Coalition, and National Municipal Stormwater Alliance; Elisabeth Schlaudt, EPA

Congress has funded EPA to conduct a new Clean Water Needs Survey (CWNS) in 2022. EPA last conducted a CWNS in 2012. The CWNS is the only effort to quantify the capital needs for the public stormwater sector nationwide, focused on projects to meet the goals of the Clean Water Act. The 2012 CWNS stormwater data collection, though, was flawed. 15 states reported no stormwater needs data. 16 states reported stormwater needs less than \$100 million each. Only four states reported about 65% of the total stormwater needs for the U.S.

As long as the quantified needs for the stormwater sector are significantly underreported in the CWNS, stormwater will never get the focus or funding it merits from Congress. Improving the stormwater data in the CWNS is a vital step forward for the public stormwater sector.

EPA has indicated that they wish to improve the stormwater data collection for the 2022 CWNS. They are putting significant effort into this goal. This presentation is part of that initiative and an important outreach effort to inform and guide local stormwater programs in their data submittals for the 2022 CWNS and coordinate this data collection with the states.

This session will provide the perspectives of the major actors in the CWNS process: EPA, the states that report the data to EPA, and the local stormwater programs that submit information about their stormwater projects. The stormwater project information will be in different formats and have different elements compared to the typical project information for drinking water and wastewater projects. This session will present the range of data that can and should be generated by local stormwater programs, including innovative and unique formats. It will address issues related to the types of project documentation that will be accepted by EPA.

*A full detailed agenda for this session is coming soon.*