

Webinar Announcement

# Transformative Stormwater and Watershed Projects

12:00 Noon to 2:00 pm  
Thursday, November 17, 2022



Please join Central States Water Environment Association Watershed and Stormwater Committee for a **Virtual Webinar** offering a discussion of transformative stormwater watershed projects in the Midwest that integrated diversity, public outreach and funding mechanisms with innovative design and planning. This special presentation of this Virtual Webinar series is hosted in conjunction with the Wisconsin, Minnesota, and Illinois committees. Advanced registration required. Up to 2.4 PDHs and 2 CEUs will be offered.

Register online by November 15 <https://attendee.gotowebinar.com/register/269748010377954832>

Fees for attendance are as follows.

Member	\$25 (Discount Code: CSWEA)
Non-Member	\$30
Student	\$10 (Discount Code: Student)
International	\$10 (Discount Code: International)

Webinar Agenda, See Page 2 for detailed descriptions:

- **11:55am - Introduction**
- **12:00pm - A New Perspective: Stormwater Management as the Centerpiece for Urban Revitalization** (John Lyons, Strand Associates, Inc.)
- **12:30pm - Transforming the Milwaukee Estuary Area of Concern** (Bridget Henk, Milwaukee Metropolitan Sewerage District)
- **1:00pm - The Towerside District Stormwater System** (Nathan Campeau, Barr Engineering Co., and Dan Kalmon, Mississippi Watershed Management Organization)
- **1:30pm - Urban Flood Mitigation: Wilmette Neighborhood Storage** (Darren Olson, Christopher B. Burke Engineering, Ltd.)
- **2:00pm - Adjourn**

A webinar link will be emailed prior to the webinar for those who register.

Direct questions to Natalie Lenz: [Natalie.Lenz@Jacobs.com](mailto:Natalie.Lenz@Jacobs.com)

## Presentation Topics

### [A New Perspective: Stormwater Management as the Centerpiece for Urban Revitalization](#)

[John Lyons, Strand Associates, Inc.](#)

John Lyons is the Director of Operations for Strand Associates' Cincinnati, Ohio office and serves as the firm's Green Infrastructure Director of Practice. He holds a degree in Civil Engineering from the University of Massachusetts, and is a registered professional engineer in Ohio and Kentucky. This presentation will focus on the Lick Run Valley Conveyance System (VCS) and Greenway Project in Cincinnati, Ohio. This is one of the largest green infrastructure control projects in the Country to reduce CSOs. It provides watershed management, flood control, stormwater conveyance and storage, water reuse, and water quality treatment. The broader vision for the watershed approach included opportunities for redevelopment and streetscape and transportation improvements along over a mile of daylighted stream to help revitalize the South Fairmont community.

### [Transforming the Milwaukee Estuary Area of Concern](#)

[Bridget Henk, Milwaukee Metropolitan Sewerage District](#)

Bridget Henk is a Senior Project Manager at the Milwaukee Metropolitan Sewerage District. She is a Professional Engineer in Wisconsin and an ISI Envision sustainability professional and trainer. Bridget has been a 40 Under 40 honoree by the Milwaukee Business Journal and Building Design and Construction Magazine. She has also been named as a New Face of Engineering by USA Today and was the Young Engineer of the Year for both the American Society of Civil Engineers (ASCE) and STEM Forward. This presentation will discuss the industrial legacy of the Milwaukee Estuary, how the estuary was identified to be an Area of Concern, and the steps the region is taking to delist the Area of Concern which includes the design and construction of a Dredged Material Management Facility.

### [The Towerside District Stormwater System](#)

[Nathan Campeau, Barr Engineering & Dan Kalmon, Mississippi Watershed Management Organization](#)

Nathan Campeau is a Water Resources Engineer with Barr Engineering Co., spending the last 18 years working on a variety of water resources projects focusing on the modeling and design of low impact development and green infrastructure practices in the urban environment. Dan Kalmon is the Mississippi Watershed Management Organization's (MWMO) Planning Principal and has worked with water resources in the Twin Cities Metro Area since 1997. This presentation will focus on how MWMO, in conjunction with Barr Engineering and public and private stakeholders, coordinated planning, design, and construction of the Towerside District Stormwater System in a rapidly-redeveloping neighborhood of Minneapolis, Minnesota. The system included urban habitat improvements and privately-owned, publicly-accessible park spaces that also exceeded local stormwater requirements at a cost equal to or less than the cost to meet local requirements on each parcel individually. The presentation will describe the benefits and challenges of district stormwater systems, including lessons learned and how they are changing the planning and design goals of second generation projects being constructed in the watershed's urban environment. The presentation will also discuss strategies around creating public-private partnerships and funding agreements.

### [Urban Flood Mitigation: Wilmette Neighborhood Storage](#)

[Darren Olson, Christopher B. Burke Engineering, Ltd.](#)

Darren Olson is a Vice President and Assistant Department Head of the Water Resources Department at Christopher B. Burke Engineering, Ltd (CBBEL) where he has 22 years of experience in the field of water resources engineering. This presentation will focus on an innovative urban flood storage project in the Village of Wilmette in northern Illinois. The Village developed a Stormwater Management Plan to assess the significant flooding experienced in the western portion of the Village. Primary alternatives included several miles of large diameter storm sewer or three localized neighborhood underground stormwater storage basins. After years of study, public participation and deliberation, the Village Board decided to move forward with the neighborhood storage option. The project included a combined 40+ acre-ft of underground stormwater storage at three highly used parks within the Village. In addition to the engineering, the project required significant coordination with residents, the park district, and the school district. The presentation will discuss the process of the study, beginning in 2013, through completion of the final phase of construction in November 2022; including specific examples of hurdles that had to be overcome by the engineering team.