



Urban Stormwater Workgroup Meeting

Tuesday, January 21, 2020

10:00 AM to 12:30 PM

Zoom Link: <https://zoom.us/j/770057966>

Conference Line: 929-205-6099

Meeting ID: 770-057-966

10:00 Welcome and Review of October Meeting Minutes.

Norm Goulet, Chair. Attach A.

Decision: Meeting minutes from December were approved by the USWG.

10:05 Announcements and Updates

- Webcast Schedule
 - Feb 26: [Plastics in Stormwater: Research and Management Implications](#)
- GIT Funding project for probabilistic IDF curves
 - The project has been funded in the amount of \$100,000. Three proposals were received, and we will announce more once the review is complete and the contractor selected.

10:15 Projecting IDF Curves and Climate Resiliency

Art DeGaetano, Cornell University and Alan Cohn, NYC DEP

In this special session, Art will discuss his work that produced local rainfall projections for New York along with the challenges and opportunities for using those projections to inform stormwater design. Then, Alan will talk about New York City's Climate Resiliency Design Guidelines, including how they have used the work Art has produced to inform infrastructure lifespans, sizing guidance and floodplain risk assessments.

Art's Presentation

- Lew Linker: What would be the value of combining different types of data to use a projection based on observation and GCM projections?
 - Art DeGaetano: I would advocate for that hybrid approach. I feel strongly we should monitor trends of observations. I'm weary of taking observed trends and moving them into the future.
 - Lew Linker: Perhaps that combination can be used to provide guidance to engineers and practitioners.
- Lew Linker: How long did it take from start to finish for this project and seeing the information you have now?
 - Art DeGaetano: This was a 2-year contract, and the majority of the work was spent on the downscaling portion.
- Norm Goulet: I love the website you've put together to present this information. We have shown it to local governments in VA and they said it was what they needed.

Alan's Presentation

- Lew Linker: I have a question on slide 3. Is there reconciliation with slide 3 and slide 9? It seems hard to have one aspect without the other.
 - Alan Cohn: That is annual precipitation, so the intensity question comes up asking if these trends are occurring at very fine small duration periods that we use to inform planning. It hasn't been a statistically significant trend.
- The link to the recorded webinar will be distributed to the workgroup following today's meeting.

11:30 Climate and Stormwater Project Update

David Wood, CSN

David will provide an update on CSN's climate and stormwater project including some additional details from the survey and follow-up discussions with stakeholders, as well as a more detailed overview of next steps.

- Lew Linker: Do we anticipate memos 1-4 in 2020? It would be great to demonstrate what you've done so far on this topic to the higher up groups all the way up to the PSC?
 - David Wood: Our hope is to have the memos completed by end of the year. BMP vulnerability will most likely be the longest piece. The state by state summary should be ready in a couple months.
- Norm Goulet: We can give the Management Board a briefing as we complete the products with the memos.
 - Lew Linker: That would be excellent since it's caught the attention of management and practitioners.
 - **Action:** Comments are due to David Wood by COB Feb 7.

11:50 Chesapeake Bay Program Phase 6 Climate Change Model Initial Findings

Gopal Bhatt, Penn State University CBPO

Overall scenario results of 2025, 2035, 2045, and 2055 will be reviewed. The scenarios will provide estimated future climate response and estimated future climate and land use response. Nutrient loads are estimated to increase going forward increase but the TN and TP loads will become increasingly refractory (increased portions of Org N, Org P, and PIP) in scenarios beyond 2025.

12:15 Urban BMP Crediting Priorities

The Workgroup will continue its December discussion and establish a list of priority practices to investigate in the coming year at the next USWG meeting in February.

Meeting Participants

Norm Goulet, NVRC

David Wood, CSN

Allie Wagner, CRC

Tom Schueler, CSN

Cecilia Lane, DOEE

Christina Lyerly, MDE

Alana Hartman, WV DEP

Lee Murphy, PA DEP

Liz Ottinger, EPA

KC Filippino, HRPDC

Gary Shenk, USGS

Gopal Bhatt, PSU

Lew Linker, EPA

Cuiyin Wu, CRC

Ginny Snead, A&T

Heather Gewandter, City of Rockville

Cassandra Davis, NYS DEC

Heather Ambrose, Fairfax County

Chris Swanson, VDOT

Julie Reichert-Nguyen, NOAA

Mark Symborski, Montgomery County Planning

Jeff White, MDE

Doug Marcy, NOAA

Beck Morris, DOD