



Urban Stormwater Workgroup Meeting

Meeting Minutes

Tuesday, April 20, 2021

10:00 AM to 12:00 PM

Meeting Materials: [Link](#)

Summary of Actions and Decisions

Action: Approval of the March USWG meeting minutes was postponed to May.

Action: USWG members should submit any feedback on the land use data review to David Wood.

Action: USWG members should review the draft Projected IDF Curve Technical Report and tool. All feedback should be submitted to Hilary Swartwood (swartwood.hilary@epa.gov).

Action: If USWG is interested in/ has any comments or feedback on any of the following, please submit them to Tom Schueler (watershedguy@hotmail.com) by COB Friday, April 30, 2021.

- Comments on delta- T equation and BMP temperature classification
- Any temperature research on urban BMPs
- Help filling out urban portion of BMP temperature co- benefits matrix being developed for the STAC workshop
- Represent USWG at the workshop

Meeting Minutes

10:00 Welcome and Review of March Meeting Minutes.

Norm Goulet, Chair. Attach A.

Action: Approval of the March USWG meeting minutes was postponed to May.

10:05 Announcements and Updates

- BUBBAs Winners
- Wrapping Up the Runoff Rendezvous
- Land Use Data Review Feedback
 - There are concerns that people are not aware of the timelines for the review or are unaware that the review is occurring.
 - The 14 prototype counties are available for review for land use, but only those counties and AgWG have looked at them.
 - The AgWG has started to look at it, but they are interested in what land use would be in CAST.
 - LUWG on May 5th and they are adding another meeting on May 20th.
 - *Alana Hartman:* Dave Montali is preparing comments from WV, we will send their comments to KC, Norm, David, and Karl when they send them to CC.

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- *KC Filippino*: Compile all these comments and make sure they get submitted please.
- *Olivia Devereux*: If there is anything that doesn't get approved by WQGIT, I propose that we move forward with CAST 2021 and anything that wasn't approved can be included in CAST- 2023.
- **Action**: USWG members should submit any feedback on the land use data review to David Wood.

10:15 Draft Projected IDF Curve Technical Report and Tool. Dr. Michelle Miro, RAND and Dr. Costa Samaras, Carnegie Mellon

Michelle will summarize the data and methods outlined in the draft technical report on the development of projected IDF curves for the Chesapeake Bay Watershed. She will also provide an overview of the online tool that will accompany the report. USWG members will be asked to provide feedback prior to delivery of the final product, expected in mid-May.

Discussion:

Lew Linker: I find the previous graphic about projected and actual rainfall events very compelling. Part of what we are doing is trying to convince localities to move forward with this work. One way this could work is by finding examples in the Chesapeake.

Michelle Miro: We have a few anecdotal stories of extreme participation events that were higher than design activity in the beginning of the report. We will see what is feasible with the resources and time we have left on this project.

Lew Linker: So, these are ensemble data sets. What was used was a collection of the different ensembles (MACA, etc.).

Michelle Miro: Each dataset comes with a slightly different GCMs and we used all of them.

Lew Linker: That collection of GCMs is what forms the probability of the projection.

Lew Linker: Do we consider DC a county for the purpose of this study?

Michelle Miro: yes, we do.

Matt Meyers: What is the recommendation for designs of stormwater infrastructure that use durations less than 1- hour.

Michelle Miro: in the online tool we've applied the change factor to 2014. We don't have a lot of sub-hourly future projected data so it's hard to apply. Comparing the 24- hour to the sub hourly is sufficient and have applied to the shorter duration storms.

Costa Samaras: We recognize that stakeholders need shorter durations. There are methods that can be used to disaggregate higher level time steps to shorter level time steps. All of these have uncertainties that propagate through the system. But we will discuss with the team on how to best approach that moving forwards.

Action: USWG members should review the draft Projected IDF Curve Technical Report and tool. All feedback should be submitted to Hilary Swartwood (swartwood.hilary@epa.gov).

11:00 Rising Water Temperatures STAC Workshop Update. Tom Schueler, CSN.

Tom will provide an update on the upcoming STAC workshop, Rising Watershed and Bay Water Temperatures—Ecological Implications and Management Responses. The workshop is in Phase

1 of development, and a steering committee is gathering and synthesizing available information on topics including BMP impacts on water temperatures.

Discussion:

USWG was asked to help out on this workshop with the following:

- Comments on delta- T equation and BMP temp classification
- Any temp research on urban BMPs
- Help fill out urban portion of BMP temp co- benefits matrix being developed for the STAC workshop
- Represent USWG at the workshop

All input should be submitted to Tom Schueler by April 30, 2021.

Action: If USWG is interested in/ has any comments or feedback on any of the following, please submit them to Tom Schueler (watershedguy@hotmail.com) by COB Friday, April 30, 2021.

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11:10 Stormwater Sector DEIJ Survey Results. David Wood, CSN.

David will review the results from CSN's survey designed to help establish baseline data on diversity and DEIJ "readiness" within the stormwater sector.

Discussion:

No discussion/ questions at this time.

11:30 Adjourn

Call Participants

Hilar Swartwood, CRC

Norm Goulet, NRVA

David Wood, CSN

Adrienne Kotula, CBC

Heather Ambrose, Fairfax County Stormwater

Fernando Pasquel, Arcadis

Kate Bennett, Montgomery County DEP

Alana Hartman, WV DEP

Cecilia Lane, DOEE

Christina Lyerly, MDE

James Dunbar, DOEE

Jeremy Hanson, VT

Jordan Gochenaur, Alliance for the Bay

Karl Berger, MWCOG

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KC Filippino, HRDPC
Cassie Davis, NYSDEC
Julie Reichert- Nguyen, NOAA
Shannon McKenrick, MDE
Tom Schueler, CSN
Lew Linker, EPA
Olivia Devereux, Devereux Consulting
Mark Symborski, MDE
Michelle Miro, RAND
Randy Greer, DNREC
Robert Goo, EPA
Ginger Ellis, MDNR
Jamie Eberl, PA DEP
Deb Cappuccitti, MDE
Elaine Webb, DNREC
Costa Samaras, CMU
Lena Easton- Calabria,
Gary Shenk, USGS
Matt Meyers, Fairfax County
Gopal Bhatt, PSU
Jesse Maines, City of Alexandria