

Urban Stormwater Workgroup Meeting

Tuesday, May 17, 2022

10:00 AM to 12:00 PM

Meeting Materials: [Link](#)

Summary of Actions and Decisions

Action: David Wood will reach out to membership when urban fertilizer ad-hoc meetings start up. There will be another ad-hoc update at the next USWG meeting as well as a discussion about potential membership for the group.

Decision: The USWG affirmed the proposed sunseting of the Advanced IDDE program credit after the year 2020, as indicated in the expert panel report.

Action: NFWF will attend a future USWG meeting to present on program details and changes, as well as additional funding opportunities.

Action: Norm Goulet will distribute the EPA guidance on infrastructure funding once available.

Meeting Minutes

10:00 Welcome and Review of March Meeting Minutes

Norm Goulet, Chair. Attach A.

10:05 Announcements and Updates

- Update on WQGIT Urban Fertilizer Discussion
 - *Old methodology will stay in place. USWG will be tasked with looking at this again in preparation for CAST-23.*
- Next Steps for Urban Fertilizer Ad Hoc Team
 - *Plan to kickstart this group in the Fall. Group will focus on looking for new data sources that will support better methodology. Will be working with modeling folks to support any changes that we want to see in the Phase 7 model with regards to the urban sector.*
 - *Dave Montali proposes that we should consider if we can implement what Jeff proposed at our last meeting rather than looking for new data sources.*
 - **Action:** David Wood will reach out to membership when urban fertilizer ad-hoc meetings start up. There will be another ad-hoc update at the next USWG meeting as well as a discussion about potential membership for the group.
- CSN Webcasts
 - <http://chesapeakestormwater.net/events/categories/webcasts/>
- Stormwater Professionals Survey by May 20th
 - <https://www.surveymonkey.com/r/CPH8G98>
- Maintaining Forests in Stream Corridor Restoration State Webcast
 - Pennsylvania webcast is May 18th from 9 AM – 12 PM:
<https://us06web.zoom.us/j/75PRyrwX61oWqF3bN2>
 - Virginia webcast is May 18th from 1 PM – 4 PM:
<https://us06web.zoom.us/j/3Iuceqqpj8jEtCNYzHYUkp6R62Q17VIOGu3>

- Maryland webcast is May 20th from 1 PM – 4 PM:
[https://us06web.zoom.us/meeting/register/tZYpfuqtrD8iEtyPIUg1bKMjtCzbUyVjbq4A](https://us06web.zoom.us/join/https://us06web.zoom.us/meeting/register/tZYpfuqtrD8iEtyPIUg1bKMjtCzbUyVjbq4A)
- CAST Webinar on Thursday, May 19th at 12PM
 - *Review of tree and forest planting BMPs and how they are accounted for in the Bay model.*
 - <https://cast.chesapeakebay.net/Learning/FreeTrainingVideos>
- STAC proposal update (co-signed with Modeling WG and LUWG):
 - *Proposal to integrate local monitoring programs into the CBWM has been approved.*

10:15 Lessons learned from Clarksburg, Maryland: Impacts of suburban development and distributed stormwater control on stream functions. Krissy Hopkins, USGS

The U.S. Geological Survey partnered with Montgomery County, Maryland to conduct an [innovative study](#) to document what happens when agricultural land is converted to suburban development with green stormwater infrastructure practices incorporated into the design of the neighborhood. The monitoring, which took place over two decades, included changes in water quantity, water quality, topography, and aquatic life in the streams. Krissy presented the findings from the study.

Contact: khopkins@usgs.gov

Discussion

Norm Goulet: The urban control site seems like it's decreasing significantly from 2017 onward, yet the other sites are rising. I would assume the salt applications within those areas are the same. Why are we seeing those differences?

Krissy Hopkins: This is only one sample per year so it won't give us a sense of seasonal variations within the watersheds. Important to keep that in mind.

Dave Montali: WV did chloride assessments where there was long term continuous monitoring. If anyone wants to look into that or understand specific conductant impacts, the WV studies might be of interest. Also, is the benthic work going into MD assessment of biological integrity and those streams being impaired for biology?

Krissy Hopkins: I don't know the answer to that question.

Dave Montali: Maybe that could be the next step.

Krissy Hopkins: Trying to develop models to see what the stressors are in the benthic community. We see different patterns across different watersheds.

Mark Symborski: MD has its own biological sampling program and they monitor streams across the state based on protocols and the sampling network of stations. Montgomery county has its own network and they do share data across counties, especially when it looks like a stream is degraded to the point where it might need a TMDL.

Mark Symborski: Would be interesting to have a study like this that covers environmental site design (ESD) pre-development, through construction, and post-construction. Is a study like this being done for those watersheds?

Krissy Hopkins: Not currently. We don't have the resources.

10:55 Advanced IDDE Program Credit. David Wood, CSN. Attach B.

The Nutrient Discharges from Gray Infrastructure Expert Panel report, approved in November 2014, included a phase out of the Advanced Nutrient Discovery Program Credit at the end of 2017. In February,

2017 the USWG voted to extend the credit to 2020. David reviewed the credit and asked the USWG for a decision on sunseting the credit.

Discussion

Norm Goulet: Anyone prefer it be extended and not sunsetted?

Allan Brockenbrough: I don't have a problem with it being sunsetted. I don't think anyone in VA has used it but I can ask around.

Norm Goulet: David, has anyone you've spoken to implied they are going to be using it?

David Wood: Some municipalities had reported it historically, but those MS4s are now prepared to report the individual credit. Is that correct, Stew?

Stew Comstock: Yes, we're fine with letting this one go.

Norm Goulet: Consensus is to let this BMP sunset. Please speak up now if you have any objections.

Decision: The USWG affirmed the proposed sunseting of the Advanced IDDE program credit after the year 2020, as indicated in the expert panel report.

11:15 Discussion on Federal Infrastructure Funding. Full Workgroup Discussion.

In September, 2021, the USWG discussed proposed federal legislation that would provide additional funding for Chesapeake Bay restoration activities. Since that discussion, the Bipartisan Infrastructure Law was passed, and more information is available about where the funds will be directed, and what implications it may have for stormwater and restoration funding. The group received a series of rapid updates from each state about how the new federal legislation is being allocated in their programs, and what workgroup members and local stakeholders should know.

Overview

- EPA guidance will be released in the next few months
- Funding will be available in September 2022
- Raising local match requirement
- Focus will be on [most effective basins \(MEBs\)](#) and agricultural sector, unsure about urban sector opportunities
- MEBs will be expanded for infrastructure dollars (see [presentation](#) for updated map)
- Separate money will be allocated towards NFWF programs (small watershed grants, INSR programs, etc.)

Delaware

- Focus on drinking water and wastewater projects. Nothing for urban stormwater. Ag will also be a priority in DE.
- Foresee issues with local match requirements and ability for local gov to administer these huge projects.
- No guidelines yet for match-waived funding. The focus on MEBs has caveats of agriculture, environmental justice (EJ), and underserved communities.

Dist. of Columbia

- Given the fact that MEB is focused on ag, DC has gotten a much smaller portion of money than usual (\$500,000). DC wants MEB formulas to put greater weight on funding for USWM with focus on EJ communities.
- DC supports the year 1 match requirements being waived. Clean water revolving fund is driving most of the match needs.
- Concerns about local match and capacity to manage these dollars. Will be budgeting in project management for additional personnel or contractor support to help manage these projects. Looking to fund fewer, bigger projects. DC has a higher match because they're not a state. Looking into changing that legislatively.
- Looking at other funding sources as well (NFWF, resiliency, NOAA, etc.). Maintaining infrastructure is also an important consideration and challenge that we're thinking about.

VA Update

- Funding would go through NFWF clean water state revolving fund (\$36.4 mill in FY2022, \$194 mill in FY2023). Stormwater projects are eligible but WW treatment plants are prioritized.
- American Rescue Plan act - \$75 mill for septic straight pipe and sewer collection system repair, replacement, and upgrades
- \$125 mill for CSO communities (Alexandria, Richmond, and Lynchburg)
- \$100 mill for WW treatment plant upgrades
- SW local assistance fund - solicitation for proposals will be out around August 2022.

WV Update

- WV comments posted [here](#).

Action: NFWF will attend a future USWG meeting to present on program details and changes, as well as additional funding opportunities.

Action: Norm Goulet will distribute the EPA guidance on infrastructure funding once available.

12:00 Adjourn

Meeting Chat

From Alana Hartman, WVDEP to Everyone 10:36 AM

is it fair to say the "expect groundwater nitrate" map somewhat follows karst areas?

From David Wood (Chesapeake Stormwater Network) to Everyone 10:55 AM

Presentation on some of Dr. Joel Moore's work from a couple years ago:

<https://chesapeakestormwater.net/events/webcast-road-salt-and-stream-health-part-1/>

From Krissy Hopkins (USGS) to Everyone 10:55 AM

journal article, <https://www.journals.uchicago.edu/doi/10.1086/719360>

From Kevin Du Bois to Everyone 10:56 AM

To follow up, with the drop in IBI and sensitive insect species, is anyone looking at the impact on priority trout streams and that CBP outcome?

From Alana Hartman, WVDEP to Everyone 11:18 AM

Norm said we can google the MEBs for this funding - could someone provide that link?

From KC Filippino to Everyone 11:18 AM

https://gis.chesapeakebay.net/wip/meb_deij/overview/#:~:text=EPA%20will%20provide%20the%20most%20effective%20basins%20funding,Maryland%2C%20New%20York%2C%20Pennsylvania%2C%20Virginia%2C%20and%20West%20Virginia.

That's the story map, other links are embedded

From Adrienne Kotula to Everyone 11:21 AM

Just a heads up that the MEBs are being expanded for the infrastructure dollars. See the final slide in the presentation here: <https://www.chesbay.us/library/public/documents/Meetings/May-2022/13-Most-Effective-Basins-Ann-Swanson.pdf>

From Liz Feinberg to Everyone 11:35 AM

re: NFWF RFPs, please feel free to reach out re USW project needs (liz.feinberg63@gmail.com (NFWF Field Liaison). Available to schedule a call re NFWF Chesa Bay Stewardship Fund. Happy to schedule call w me and/or field liaison, Dave Hirschman.

From Kevin Du Bois to Everyone 11:42 AM

In the Wetlands Workgroup, it has often been discussed that a significant challenge to implementation of wetland restoration projects is the availability of knowledgeable and experienced contractors.

Participants

Jackie Pickford, CRC
Norm Goulet, NVRC
David Wood, CSN
Elaine Webb, DNREC
Stew Comstock, MDE
Jamie Ebrel, PA DEP
Alana Hartman, WVDEP
Marty Hurd, Fairfax Co. VA
Jessie Maines, Alexandria VA
Ho-Ching Fong, MCDEP
Heather Gewandter, Rockville MD
Mark Symborsky, M-NCPPC
Lena Easton-Calabria, Mid-Atlantic RISA
Jessica Rodriguez, DoD CBP
Cassie Davis, NYSDEC
Carol Wong, CWP
Dave Montali, Tetra Tech WV, MWG
Helen Golimowski, Devereux Consulting
Eugenia Hart, Tetra Tech DE
Jamie Alberti, Alliance for Chesapeake Bay
Kevin Du Bois, DoD CBP

Krissy Hopkins, USGS
Adrienne Kotula, CBC VA
Nathan Forand, Baltimore County EPS
Andreana Roxas, CSN
Allan Brockenbrough, VA DEQ
Allie Wagner, NVRC
Monique Dykman, Londonderry Twp Dauphin Co PA
Brenda Morgan, Ann Arundel County
Brock
Ginger Ellis
Jamie Erbel, PA DEP
Jim Sullivan
Liz Feinberg, NFWF
Liz Ottinger, EPA
Nora Jackson, NVRC
Robert Goo, EPA
Ted Brown, Biohabitats
Aaron Fisher, Ernest Maier
Karl Berger, MWCOG
KC Filippino, HRPDC