

Urban Stormwater Tracking Subgroup Call

June 28, 2018, 2:00 – 3:00 pm

In attendance: Reid Christianson, Mary Beth Falsey, Amy Walkenbach, Trevor Sample, Lisa Merrifield, Eliana Brown, Kate Gardiner)

- Tracking Stormwater BMP Installation
 - Types
 - New development – which is usually runoff net neutral due to ordinances, etc.
 - Retrofitting – which has more chance to effect change in runoff. FOCUS HERE.
 - Minimum elements to track
 - Rain Garden, Urban stormwater wetland, Grade Control, Urban Filter Strip, etc.
 - Urban BMP have lifespans:
 - Rain Garden: 5-10
 - Sediment Basin: 10-20
 - Grade Stabilization structure: 5-10
 - Urban Stormwater Wetlands: 20-50
 - Urban Filter Strip: >10
 - Grass-Lined Channels: 10-20
 - Porous Pavement: 15-20
 - Key base parameters of practice data as determined by NPS measures workgroup
 - Certain elements we should look at tracking for urban BMPs
 - Likely available:
 - State, county, HUC_8 watershed, practice name, funding source (state, fed, local, etc.), program, applied amount, practice units, applied date, cost share funding expended
 - Likely available depending on source:
 - HUC_12 watershed, practice code
 - Likely able to assume value based on collected information:
 - Sunset date, total project costs, water quality benefits, practice category, area treated (ac), pre-implementation land use, ancillary benefits, Phosphorus reduction, Nitrogen reduction
 - General elements: location, area treated, timeline, persistence, overlap
 - Questions
 - Models – who runs them? Which ones? Justification for use? What info needed for these?
 - How to acquire data – request from MS4 communities? Request from CMAP in Chicago (7 county metro area – might have general map layers but BMP data on projects or communities they have worked with)?
 - How to decide removal rates – Center for Neighborhood Technology has nutrient reductions by percentages.
 - Who is collecting this info – can this process be formalized? Could this be a MS4 permit requirement? Could this info be advertised for MS4s that are proud of what they are doing? Could contact the 10 MS4s with most impact.

Communities with Stormwater Utility Fees would have info if they provide incentive funding for BMPs. Statewide evaluation could be done using some general assumptions. If there is a custom tracking tool, custom load reductions could be entered.

- DuPage County is tracking BMPs using GIS. They have permit software, which provides the information. Historical tracking is time intensive. They are starting with unincorporated DuPage County.
 - It makes sense to explore their data and methodology further. Could inform possible custom tracking too.

Next Steps

- Next call (July 24) will focus on DuPage County's data.