



University of Pittsburgh Graduate Student Chapter Carnegie Mellon University Graduate Student Chapter

EWRI-PGH LUNCH AND SEMINAR

Thursday, September 4th

Lunch at 12:00 pm, Seminar at 12:30 pm

Engineer's Society of Western Pennsylvania
337 Fourth Avenue, Pittsburgh, PA 15222



ENVIRONMENTAL & WATER RESOURCES INSTITUTE
Pittsburgh Chapter



Is Our Green Infrastructure Storing?

Hydrological Monitoring for Philadelphia's Green City Clean Waters Program

Stephen White, Civil Engineer for the Philadelphia Water Department

The Philadelphia Water Department (PWD) is entering its fourth year of Green City, Clean Waters implementation, with over 272 green stormwater management practices complete, and another 400 planned projects. For the past two years, Stephen White and his colleagues from PWD's Green Stormwater Infrastructure Monitoring group have been working to develop and implement hydrologic monitoring. A "Comprehensive Monitoring Plan" tracks progress in reducing combined sewer system overflows. The program utilizes select data analysis methods to estimate the performance of specific stormwater control measures (SCM) during precipitation events, and during simulated events. Monitoring results will be discussed from the perspectives of continuous performance monitoring and performance testing as well as partnering STEM outreach through monitoring tasks and preliminary data sets.

Stephen has over five years of experience in water resources in both the private and public sectors, with a BS in Construction Management from East Carolina University and a MS in Civil Engineering from Drexel University. He has previously worked with the Sustainable Water Resources Engineering Lab.

Cost

Members: \$30

Non-members: \$35

Students: \$15