

Green Infrastructure for EPA and State Staff Workshop

Sponsored by U.S. EPA

Wednesday, November 6, 2013

8:00 – 8:30 **Registration**

8:30 – 8:45 **Introduction**

Karen Flournoy, Director, WWPD, EPA

8:45 – 10:00 **Overview of Green Infrastructure (75 min)**

Kimberly Brewer and Jason Wright, *Tetra Tech*

- Hydrologic principles
- Why GI is different than traditional stormwater management
- Green infrastructure practice and watershed protection
- Common O & M requirements and monitoring
- Co-benefits of GI (economic, social, climate change, etc.)

10:00 – 10:15 **Break**

10:15 – 11:15 **Local Green Infrastructure Case Studies and Lessons Learned (60 min)**

- Kansas City Pilot Project - Streetscape retrofit Jason Wright, *Tetra Tech*
- City of Lenexa Development Project – Mike Beezhold, CDM Smith

11:15 – 12:00 **Local Code Review Case Study (45 min)**

Kimberly Brewer, *Tetra Tech*

- Tools for reviewing local codes for GI barriers
- Common barriers to GI in local codes
- Incentives

12:00 – 1:00 **Lunch (1 hr)**

On your own.

1:00 – 2:30 **Integrating GI into State and Federal Regulatory Programs (90 min)**

Rainscaping Iowa: Paving the Way to Clean Water (30 min)

Jeff Geerts, Iowa Economic Development Authority

Ruth Wallace, Missouri DNR (30 min)

Bob Newport, EPA Region 5 (30 min)

- Integrating GI into TMDLs, CWA required permits, brownfields, drinking water and wastewater infrastructure, etc.

- 2:30 – 3:30** **Incentives and Challenges to Green Infrastructure in EPA Region 7 (small group discussion and reporting out) (60 min)**
- What are the key barriers in state and local regulations to implementing GI in your community/state/program?
 - What could be done to better integrate GI into state and federal regulatory programs?
 - Identify 5 top ideas for strengthening the implementation of green infrastructure.
- 3:30 – 3:45** **Break**
- 3:45 – 4:45** **Green Infrastructure Modeling and Analysis (60 min)** Jason Wright, *Tetra Tech*
- Modeling basics including model selection
 - Models and calculators applied to GI
 - BMP design
 - Site Development
 - Watershed Management
 - EPA's stormwater calculator
 - Case study applications of models

Thursday, November 7, 2013

- 8:00 – 9:00** **Integrating GI Across EPA Actions (60 Min)**
Bob Newport EPA Region 5
- 9:00 – 11:15** **GI Design/Planning Exercise**
Kimberly Brewer, Jason Wright, *Tetra Tech*
- 11:15 – 11:30** **Wrap Up and Adjourn** *EPA*
- 12:00 – 1:30** **Optional: Tour of Green Infrastructure Practices in Kansas City**
Must register in advance for limited transportation provided by EPA