



ASCE-EWRG & APWA
2019 Sustainable Stormwater Symposium
(Please note this agenda is subject to revisions and modifications)

September 25-26, 2019
Portland, OR

Castaway Portland
1900 NW 18th Avenue

Day 1 – Wednesday, September 25, 2019

7:30-8:15 am **Symposium Registration and Continental Breakfast (Provided)**

8:15-8:25 am **Welcome and Opening Remarks – *Rose Horton, Symposium Chair***

8:25-9:10 am **Modernizing Performance Metrics for Stormwater Infrastructure**
Elizabeth Fassman-Beck, Associate Professor, Stevens Institute of Technology

9:10-10:30 am **SESSION 1 – Stormwater BMP Design and Case Studies**
Moderator: Henry Stevens, City of Portland

A Stormwater Retrofit Case Study: Mt. Hood Community College– *Teresa Huntsinger, Otak & Steve Wise, Sandy River Watershed Council*

From Plan to Performance: Applying a New Stormwater Management Manual – *Sarah Ferguson, Murraysmith*

Green Conveyance Infrastructure – *Allen Dysart, Wolf Water Resources*

10:30-10:45 am **BREAK**

10:45-12:05 pm **SESSION 2 – Stormwater Asset Management and Water Quality Accounting**
Moderator: Myles Gray, Geosyntec Consultants

Managing Green Infrastructure Assets Using GIS and iPad App Technology – *Fred Lockhart, City of Eugene*

Building an Asset Management Program for Portland's Stormwater System – *Fred MacGregor, City of Portland*

Web-Friendly Water Quality Engines to Integrate BMP Modeling with Asset Management – *Austin Orr, Geosyntec Consultants*

12:05-1:20 pm **LUNCH (Provided)**

1:20-2:15 pm **SESSION 3 – Innovations in Stormwater Management**

Moderator: Tammie Wilson Terraphase

Pavement that Can Clean Water – *Katie Holzer, City of Gresham*

Building More Efficient & Effective Bioretention Facilities Using Orifices
– *Josh Lighthipe, KPFF & Henry Stevens, City of Portland*

2:15-2:30 pm **BREAK**

2:30-3:50 pm **SESSION 4 – Hydromodification and Mitigation Using Stream Restoration**

Moderator: Kari Nichols, Mead and Hunt

Integrated Stormwater Management: Can You Really Thread that Needle? – *Amy Dammarell, HDR*

Carli Creek Enhancement and Industrial Water Quality Treatment Project – *Kate Forester, Herrera and Leah Johanson, Clackamas County Water Environment Services Services*

Using Stream Restoration to Complement Conventional Stormwater Flow Control BMPs – *Steve Thompson, City of Olympia*

3:50-4:05 pm **BREAK**

4:05-5:00 pm **SESSION 5 – Climate Resiliency**

Moderator: Teresa Huntsinger, OTAK

Lessons Learned from the Desert for Climate Change in the PNW – *Kieran Sikdar, HELM*

Lessons Learned from Climate Resiliency Planning at BES– *Krista Reininga, Brown and Caldwell*

5:00 pm

**POSTER SESSION AND HAPPY HOUR at Castaway Portland
(Included w/ Registration)**

Vancouver Watershed Health Assessment

Jess Brown, Herrera Environmental Consultants

Automation of Media Hydraulic Conductivity Testing: A Novel Hydraulic Testing Apparatus for Evaluation of Stormwater Biofiltration Media

Caleb Caldon, Contech

Water Quality Analysis of Ecoroof Runoff in Portland

Pranoti Deshmukh, Portland State University

Washington Street Stormwater Main and Water Quality Facility Design

Christian French, Environmental Science Associates

Good Drainage, Good Vibes: Revitalizing, Reprogramming, and Revealing Stormwater at South Eugene High School

Elizabeth Stapleton & Evan Elderbrock, University of Oregon

Stormwater Technology Testing Center

Alex Svendsen, Herrera Environmental Consultants

What if your plants die in green infrastructure?

Wei Zhang, Tree Diaper

Day 2 – Thursday, September 26, 2017

7:30-8:15 am **Continental Breakfast (Provided)**

8:15-9:00 am **Next Generation Porous Pavements - Recent Advances**

Mark Palmer, Senior Transportation Project Manager, HDR

9:00-10:45 am

SESSION 6 – Integrated Watershed Planning

Moderator: Aaron Parker, City of Oregon City

Integrated Watershed Planning Using Regional and Retrofit Approaches for SW Capitol Hwy – J. Ruben Gonzalez, City of Portland

“Smart” Data Management to Streamline Stormwater Modeling – Ayman Alafifi, Brown & Caldwell

Integrated Stormwater Management Planning for the Renfrew Neighborhood in Calgary – Scott Struck, Geosyntec Consultants

Integrating Stormwater and Stream Resilience with Sanitary Sewer Conveyance – Maryna Feldberg, Murraysmith

10:45-11:00 am BREAK

11:00-12:20 am SESSION 7 – O&M and Long-Term Effectiveness of Stormwater BMPs

Moderator: Adam Lee, Herrera Environmental Consultants

Green Stormwater Infrastructure “Do They Stand the Test of Time” – Tom Liptan, Formerly City of Portland

Maintenance Challenges with LID Improvements – Josh Wheeler, City of Oregon City

Operations and Maintenance Lessons Learned for Right of Way Green Streets – Amber Fox, City of Portland

12:20-1:30 pm LUNCH (Provided)

12:45 pm Special Lunch Presentation

"Pollution in Abstract" – Using Art for Public Education of Stormwater Pollution– Kevin Coulton, Environmental Science Associates

1:30-5:00 pm Bike-BMP-n-Brew (B³) Tour (Included w/ Registration) Around Northwest Portland

New Seasons Slabtown
Atalia Raskin, David Evans & Associates

Green Gables Office and Frontage Improvements
Ada Banasik, Maul Foster Alongi

USPS River District Redevelopment
Josh Lighthipe, KPFF

Dealer’s Supply Company
Brent Nielson, Mackenzie

OMIC – BES’ Maintenance Inspection Program
Stacy Hibbard, City of Portland BES

Owens Corning Facility
Henry Stevens, City of Portland BES
Ben Ngan, NNA Landscape Architecture

5:00 pm HAPPY HOUR SOCIAL (Included w/ Registration)
Lucky Labrador Beer Hall
1945 NW Quimby St.
Portland, OR 97209