

Building Better Communities: The Multiple Benefits of Green Infrastructure

May 25, 2016

Agenda

7:30 am	Breakfast	
8:15 am	Opening Remarks	Lisa Brothers, PE, LEED AP BD+C Chairman and CEO, Nitsch Engineering
8:30 am	Keynote Address	George Hawkins, Esq. CEO and General Manager, DC Water
9:00 am	Panel Discussion	Thomas Tinlin Highway Administrator, Massachusetts Department of Transportation (MassDOT) Charles Jewell Director of Planning, Boston Water and Sewer Commission (BWSC) Maria Rose Environmental Engineer, City of Newton Nicole Holmes, PE, LEED AP BD+C, Moderator Project Manager, Nitsch Engineering
10:00 am	Conclusion	Judith Nitsch, PE, LEED AP BD+C Founding Principal, Nitsch Engineering

Speaker Bios

George Hawkins, Esq., CEO and General Manager, DC Water



As CEO and General Manager, George Hawkins is transforming DC Water into an innovative, customer-oriented enterprise. DC Water is implementing the \$2.6-billion Clean Rivers Project to nearly eliminate combined sewer overflows, investing \$950 million to reduce nutrients for the Chesapeake Bay, and finishing a \$470-million waste-to-energy program to produce a marketable nutrient and generate 13 megawatts of green power. George has also tripled the program to replace water infrastructure.

DC Water is also driving a robust innovations program, focused on customer engagement, vibrant social media, research and development, and product development and licensing. George has also launched DC Water Works – a program to encourage local workforce hiring.

George has held executive positions in state and municipal government, environmental and community groups, US EPA, and private law practice. He graduated from Princeton University and Harvard Law School, and now teaches Environmental Law and Policy at Princeton University.

Thomas Tinlin, Highway Administrator, Massachusetts Department of Transportation (MassDOT)



Tom Tinlin, under the direction of the Governor and the Secretary/CEO, determines, directs, and implements transportation policy for the Highway Division to achieve MassDOT's mission of delivering excellent customer service to people who travel in the Commonwealth and providing the nation's safest and most reliable transportation system.

As Administrator, Tom directs a \$1.5-billion Capital Improvement Program to both maintain the state of good repair and meet the capacity needs of over five million motorists that travel over 50 billion miles every year on the Commonwealth's 3,000+ centerline miles and 5,000+ bridges. To meet these traveling needs, the Highway Division employs over 3,000 employees and directs a \$2.4-billion budget.

Charles Jewell, Director of Planning, Boston Water and Sewer Commission (BWSC)



With more than 26 years of experience, Charlie understands the public and municipal perspectives and concerns as they relate to infrastructure and capital improvement program (CIP) projects. He is a supporter of clean, green and energy efficient programs. The Planning Department recently completed the Wastewater and Storm Drainage Facilities Plan for the Commission and updated its Storm Drainage model to include Water Quality components. The Commission is currently drafting a best management practices (BMP) Implementation Plan and is working on several green infrastructure projects in conjunction with other city agencies.

Charlie earned a Bachelor of Science Degree from Texas State University in Urban and Regional Planning, a Master of Urban and Regional Planning from Texas A&M University, and a Master of Business Administration from UMass Boston.

Maria Rose, Environmental Engineer, City of Newton



As Environmental Engineer and Stormwater Coordinator, Maria's responsibilities include managing the stormwater fee credit program, managing stormwater capital projects, and ensuring that the goals set forth in their National Pollutant Discharge Elimination System (NPDES) Phase II Permit are met. Maria was instrumental in helping Newton establish a stormwater user fee in 2006.

Maria is a Certified Floodplain Manager through FEMA. She received her Bachelor of Science degree in Civil Engineering from Drexel University. She spent over 10 years as an engineering consultant with AMEC Earth and Environmental and Pennoni Associates prior to joining Newton's Engineering Division in 2004.

Nicole Holmes, PE, LEED AP BD+C, Project Manager, Nitsch Engineering



Nicole's primary focus as a project manager at Nitsch Engineering is providing green infrastructure, innovative stormwater management design, and master planning services. Her projects include stormwater campus master planning for University of Virginia, Harvard University, Yale, Princeton, and Dartmouth; and urban stormwater planning for such projects as Washington Canal Park in D.C., GreenPlan Philadelphia, and Lower Hill Redevelopment Plan in Pittsburgh. She is currently project manager for the Kennedy Street Green Infrastructure project as part of DC Water's Green Infrastructure Challenge.

Nicole is co-creator of Nitsch Engineering's proprietary RainUSE® Software program and leads Nitsch Engineering's internal Stormwater and Sustainability Group. She earned a Bachelor of Science degree in Civil Engineering from Northeastern University.