



2007 Summer Conference and 37th Annual Meeting

*Sustainable Infrastructure Choices. . .
Gray, Green & Everything in Between*

*July 17 – 20, 2007
Renaissance Cleveland
Cleveland, Ohio
As of July 13, 2007*

Δ – Board of Directors Committees
* - Denotes Confirmed Speakers

Tuesday, July 17

Morning

8:30 – 4:00	Registration
9:00 – 10:30	Strategic Planning Committee Δ
10:00 – 11:15	Water Quality Committee
10:45 – 11:45	Finance Committee Δ
11:15 – 12:30	Air Quality & Climate Change Committee

Afternoon

1:00 – 2:15	Utility Management Committee
2:15 – 3:00	Membership Committee Δ
2:30 – 3:45	Facility & Collection System Committee
3:15 – 4:00	Awards Committee Δ
4:00 – 5:00	Biosolids Management Committee
4:00 – 5:00	Clean Water Funding Task Force

Evening

5:45 – 7:00 Registration

6:00 – 7:00 Welcoming Reception

Wednesday, July 18

Morning

7:30 – 8:45 Regulatory Policy Committee

8:00 – 4:00 Registration

9:00 – 12:00 **GENERAL SESSION I**

Opening Remarks

Dick Champion, Jr.*
NACWA President (2006 – 2007)
Director
Independence Water Pollution Control Department
Independence, MO

Welcoming Remarks

The Honorable Frank Jackson*
Mayor
City of Cleveland
Cleveland, OH

The Honorable Matthew Zone*
Member, Cleveland City Council
Chair, Public Utilities Committee
City of Cleveland
Cleveland, OH

James McKnight*
Owner and Principal Landscape Architect
McKnight Associates
Cleveland, OH

Keynote Address

35 Years of the Clean Water Act: From Gray to Green

Reflecting on the 35th anniversary of the Clean Water Act, Sherwood Boehlert, former Congressman, long-time Chair of the House Subcommittee on Water Resources and the Environment and, most recently, Chair of the House Science Committee, will look back at what the Clean Water Act has accomplished to date and look forward to what still needs to be done. What role will green infrastructure play in the future? Can the Clean Water Act of 1972 take us where we need to go? Mr. Boehlert will share his thoughts and insights on these and other clean water issues.

The Honorable Sherwood Boehlert*
Member, U.S. House of Representatives (1983-2006)
Of Counsel
The Accord Group
Washington, DC

Featured Speaker

**A Watershed Approach:
Balancing Gray and Green Infrastructure**

Traditional wastewater treatment and stormwater control practices emphasize “concrete and pipes” technology that results in specific capacity and water quality outcomes. However, even if regulatory outcomes are met for water quality, the environment may not benefit due to habitat destruction, erosion, and other factors. A watershed-based approach to wastewater and stormwater management presents an alternative, sustainable solution that is focused on overall environmental benefits. Green infrastructure, flexible regulations, and financial incentives are important aspects of this type of watershed approach. Chris Crockett will describe the Philadelphia Water Department’s Office of Watersheds integrated approach to improving the region’s environment by using green infrastructure in watershed planning.

Christopher Crockett*
Manager – Watershed & Engineering Sciences
Philadelphia Water Department – Office of Watersheds
Philadelphia, PA

10:15 – 10:30

BREAK

Roundtable Discussion

**New Partners, New Solutions:
Green Infrastructure Statement of Intent**

On April 19, 2007, four organizations and the U.S. Environmental Protection Agency (EPA) signed the *Green Infrastructure Statement of Intent*, which encourages the use of green infrastructure by cities and wastewater treatment facilities as part of their stormwater control programs. The *Statement* emphasizes that green infrastructure can be “a cost effective and an environmentally-preferable approach to reduce stormwater and other excess flows,” leading to reduction of combined and separate sewer overflows. Representatives from the organizations that signed the *Statement* will provide information on how they will help implement the ideas in the *Statement* and what hurdles need to be overcome to maximize implementation.

Moderator

Jeff Theerman*
Executive Director
Metropolitan St. Louis Sewer District

St. Louis, MO

Roundtable Participants

Nancy Stoner*

Director, Clean Water Project

Natural Resources Defense Council

Washington, DC

Chris Kloss*

Senior Environmental Scientist

Low Impact Development Center

Beltsville, MD

Gregory Smith*

Chief, Division of Environmental & Financial Assistance

Ohio Environmental Protection Agency

Columbus, OH

Alexandra Dapolito Dunn*

General Counsel

NACWA

Washington, DC

11:45 – 12:00

Annual Association Business Meeting

Report of the President

Consideration of Amendment to NACWA's Bylaws

Report of the Treasurer

Election of Directors

Report of the Executive Director

Closing Remarks

Dick Champion, Jr.*

NACWA President

Afternoon

12:15 – 2:00

Board of Directors Meeting

12:15 – 2:00

Green Infrastructure Technology, Goods & Services (Buffet Lunch & Exhibits)

Enjoy lunch and explore a wide array of technologies, goods and services that support the implementation of green infrastructure initiatives.

1:30 – 2:00

***Water and Wastewater Leadership Center* Information Session**

Learn more about the benefits of attending the *Water and Wastewater Leadership Center's* two-week residential program from alumni who will be available to share their experiences and discuss this unique educational offering.

2:00 – 4:30

GENERAL SESSION I (continued)

Opening Remarks

Dick Champion, Jr.*

NACWA President (2006-2007)

Panel Presentation

What Does “Green” Mean?

Green infrastructure means different things to different people, but it is a broad term that can refer to a multitude of equipment, projects, or management approaches that lead to environmental improvements. In terms of combined sewer overflows or stormwater management, green infrastructure may refer to methods for intercepting precipitation and allowing infiltration, including green roofs, rain gardens and other vegetated landscapes, and permeable pavements. Wetlands for treating wastewater and water storage are another form of green infrastructure. Incorporating green infrastructure into existing gray infrastructure may provide many environmental, aesthetic, and public relations benefits, but it may also present challenges to clean water agencies. Utilities will discuss the types of green infrastructure implemented in their communities, along with the benefits provided and the obstacles to its broader use.

Moderator

Thomas Morgan*

General Manager

Montgomery Water Works and Sanitary Sewer Board

Montgomery, AL

Panelists

Dean Marriott*

Director

City of Portland Bureau of Environmental Services

Portland, OR

Kevin Shafer*

Executive Director

Milwaukee Metropolitan Sewerage District

Milwaukee, WI

Wing Tam*

Assistant Division Manager, Watershed Protection Division

City of Los Angeles Bureau of Sanitation

Los Angeles, CA

Panel Presentation

Costs and Benefits: Quantifying the Impact of Green Infrastructure

A major challenge to the acceptance of green infrastructure is quantification of its benefits. Regulatory acceptance will require proof that green infrastructure reduces

runoff, decreases combined sewer overflows, or otherwise improves water quality or the environment. To date, however, the benefits of green infrastructure have proven more difficult to quantify than those of traditional treatment technologies, where “end of pipe” measurements are possible. Panelists will present methodologies to quantify the water quality benefits of green infrastructure and discuss the costs of green infrastructure relative to “concrete and pipes” capital projects.

Moderator

Dick Champion, Jr.*
NACWA President (2006-2007)

Panelists

Michael Sullivan*
Vice President
Limno-Tech, Inc.
Washington, DC

Steve Wise*
Natural Resources Portfolio Manager
Center for Neighborhood Technology
Chicago, IL

Dan Nees*
Senior Associate, People and Ecosystems Program
World Resources Institute
Washington, DC

Closing Remarks

Dick Champion, Jr.*
NACWA President

Evening

5:30 – 6:15	Awards Ceremony
6:15 – 7:30	President’s Reception

Thursday, July 19

Morning

7:30 – 8:45	Legislative Policy Committee
8:00 – 12:00	Registration

9:00 – 12:00

GENERAL SESSION II

Opening Remarks

Christopher Westhoff*
NACWA President (2007 – 2008)
Assistant City Attorney –
Public Works General Counsel
City of Los Angeles
Los Angeles, CA

Featured Speakers

Creating a 21st Century Environment: Engineering and Scientific Evolution and Revolution

What the future holds for clean water agencies, whether gray, green, or somewhere in between, the engineering and scientific consulting communities are evolving, and must continue to do so, to meet the growing demand for green infrastructure solutions. Private sector and industry leaders will provide their perspectives on their companies' efforts to meet the demand for "green."

William Dee*
President
Malcolm Pirnie, Inc.
White Plains, NY

Paul Freedman*
President
Limno-Tech, Inc.
Ann Arbor, MI

Featured Speakers

Celebrating Success and Confronting Challenges After 35 Years of the Clean Water Act

The 35th anniversary of the Clean Water Act certainly provides reason to celebrate. The nation's waters are clearly healthier than they were in 1972, but as we all understand, many challenges remain. Long-time clean water champions will provide their perspectives on the successes of clean water agencies and the new and emerging challenges ahead.

D.A. Young*
Executive Vice President
Ducks Unlimited
Memphis, TN

G. Tracy Mehan*
Principal
Cadmus Group, Inc.
Arlington, VA

Panel Presentation

Collaborating Our Way to a Greener Tomorrow

Green infrastructure and other cutting-edge approaches are opening doors to new partnerships for utilities. The new partners have expertise in areas that are unfamiliar to clean water professionals, such as habitat requirements for different animal species, appropriate selection of plants and trees, and maintenance procedures for green infrastructure projects, which can lead to greater green infrastructure success. The panel is comprised of leaders of key organizations who can collaborate with clean water agencies in planning sustainable infrastructure initiatives, as well as leaders of projects where unique collaborations have resulted in successful green infrastructure implementation.

Moderator

Marian Orfeo*
Director of Planning & Coordination
Massachusetts Water Resources Authority
Boston, MA

Panelists

Perry Howard*
President-Elect
American Society of Landscape Architects
Washington, DC

Greg Ina*
General Manager
Davey Institute
Kent, OH

Mark Link*
Environmental Planner II
Northeast Ohio Regional Sewer District
Cleveland, OH

David Anthony*
Principal
Wade-Trim Associates, Inc.
Cleveland, OH

Closing Remarks/Announcements

Marian Orfeo*
Massachusetts Water Resources Authority

Afternoon

12:00 – 5:00 **Golf Tournament — 2007 NACWA OPEN**

Acacia Country Club

12:00 – 5:15 **Green Infrastructure/Gray Infrastructure Tour**

Ohio & Erie Canal

Reservation,

NEORSD Southerly Plant

Evening

6:30 – 8:00 Reception

Rock & Roll Hall of Fame

Friday, July 20

Morning

7:30 – 8:45 Legal Affairs Committee

8:00 – 10:00 Registration

9:00 – 11:45 **GENERAL SESSION III**

Opening Remarks

Christopher Westhoff*

NACWA President

Featured Speaker

Climate Change... What Does it Mean for Wastewater Treatment?

As climate change concerns grow in the U.S., clean water agencies are considering the potential impacts of climate change on their operations. Federal, state, and local governments are formulating requirements for greenhouse gas emissions reductions, and with wastewater treatment listed as a significant source by EPA, clean water agencies may be faced with emission reduction requirements in the future. Predicted precipitation pattern changes may also affect wet weather programs and require adaptation of stormwater management plans. These potential impacts will be discussed, as will possible strategies for clean water agencies to receive proper credit for climate change mitigation measures, such as re-use of methane gas and energy conservation.

Glen Daigger*

Senior Vice President and Chief Technology Officer

CH2M HILL

Englewood, CO

Roundtable Discussion

Increasing Energy Efficiency in Wastewater Treatment

Wastewater treatment requires a large amount of electrical power, and clean water agencies that become more energy efficient are improving their bottom line. Energy efficiency is also a vital component of a utility's long-term sustainability. Strategies for achieving better energy efficiency will be the focus of this roundtable discussion.

Moderator

Raymond Marshall*
Executive Director
Narragansett Bay Commission
Providence, RI

Panelists

Andy Goett*
Managing Consultant
PA Consulting Group
San Francisco, CA

Jenna Olsen*
Supervisor, Sustainable Communities
Pacific Gas and Electric
San Francisco, CA

Jacob Felix Pierre*
Chief, Energy Section
New York City Department of Environmental Protection
Bureau of Wastewater Treatment
Corona, NY

Roundtable Discussion

Putting Green Infrastructure into Practice...

Building Support and Resolving Regulatory Challenges

To move green infrastructure from a good idea to a common beneficial practice, projects need to be viable from both technical and regulatory standpoints. Many challenges remain for regulatory acceptance of green infrastructure, and flexibility is needed for clean water agencies to find appropriate green solutions to their needs. Support of local governments and communities is also vital to green infrastructure success. Potential solutions to resolving regulatory challenges and increasing local support for green infrastructure will be discussed in this roundtable.

Moderator

Roberta Larson*
Special Counsel, City of Sacramento
Somach, Simmons & Dunn
Sacramento, CA

Panelists

Richard Davis*
Director
Beveridge & Diamond
Washington, DC

Jennifer Molloy*
Biologist
Water Permits Division
Environmental Protection Agency
Washington, DC

Benita Best-Wong*
Director, Assessment & Watershed Protection Division
Office of Wetlands, Oceans & Watersheds
U.S. Environmental Protection Agency
Washington, DC

Closing Address

Going Green: The Future for Clean Water Agencies?

The incentives for utilities to institute sustainable green infrastructure go beyond water quality and other environmental benefits. “Going green” can improve the reputation of clean water agencies, leading to increased awareness of water infrastructure funding needs and better recruiting for the profession. This speaker will present the possibilities available to clean water agencies in the future through green infrastructure.

John Norton, Jr.*
Senior Environmental Engineer
MWH Business Solutions
Chicago, IL

Closing Remarks/Adjourn

Christopher Westhoff*
NACWA President