



2013 Winter Conference

Tomorrow's Clean Water Utility...Is the Future Already Here?

*In collaboration with the Water Environment Federation (WEF)
and the Water Environment Research Foundation (WERF)*

February 3 - 6, 2013

Hyatt Regency Miami

Miami, Florida

All meetings are located on the Lobby Level of the Hyatt Regency Miami unless otherwise noted.

Δ – Board of Directors Committees

Sunday, February 3

Morning

9:30 – 2:30

Registration

Lower Promenade

Terrace Level

10:00 – 1:30

Strategic Planning & Finance Committees Δ

Jasmine

Terrace Level

In advance of the Board Meeting on Sunday, February 3, a joint meeting of NACWA's Strategic Planning and Finance Committees will continue discussions that began in Seattle in November. On the agenda are an update to NACWA's *Strategic Plan* and the consideration of the Association's financial sustainability. Time has been allotted for Board Members to consider a revised draft Strategic Plan and modified financial sustainability options to support both NACWA's General Fund and Targeted Action Fund. Both are significant issues requiring the attention and input of all Board Members.

Afternoon

2:00 – 5:00

Board of Directors Meeting

Jasmine

Terrace Level

Evening

5:15 – 6:15

Registration

Pure Verde

5:30 – 6:30
Pure Verde

Welcoming Reception – Superbowl Celebration

Meet, greet and mingle as we kick-off the conference with our own Superbowl party! Meet your colleagues to relax and enjoy the game, whether you rooting for your hometown team or just enjoying the commercials. NACWA has made special arrangements with Pure Verde for drink and food specials for the duration of the game, so no need to find a Superbowl party elsewhere after the reception, plan to settle in for a fun night with your NACWA crew!

Monday, February 4

Morning

7:00 – 4:00

Registration

Lower Promenade

Terrace Level

8:00 – 9:30

Water Quality Committee

Jasmine

Terrace Level

The Water Quality Committee will explore a range of topics including the latest nutrient-related developments, updates on recently released and expected water quality criteria, the Farm Bill, and NACWA's efforts on water quality trading. In addition to EPA's recent denial of the Natural Resources Defense Council (NRDC) petition to modify secondary treatment to include nutrients, the Committee will discuss the latest on numeric nutrient criteria out of Florida and new developments regarding the interpretation of narrative nutrient criteria in Region 1.

Featured Presentation

WERF Findings on Applicability of Existing Water Quality Models for Nutrient Impacts

Dave Dilks*

Vice President

LimnoTech

Ann Arbor, MI

9:00 – 10:00

Spouse & Guest Lounge

Pure Verde

9:45 – 10:45

Climate & Energy Committee

Jasmine

Terrace Level

The Climate & Energy Committee will begin with a presentation on the opportunities for wastewater utilities to use their biogas as compressed natural gas for operating trucks and other vehicles. This may be an especially beneficial strategy for smaller utilities and for large utilities that have excess biogas not being used for other purposes. The Committee will then discuss what utilities are doing or planning to increase their energy efficiency or produce renewable energy, and how NACWA can assist in these efforts. The Committee will then receive updates on EPA's annual Greenhouse Gas Inventory and the outlook for legislation related to climate adaptation.

11:00 – 12:00 <i>Jasmine</i> <i>Terrace Level</i>	<p>Biosolids Management Committee</p> <p>The Biosolids Management Committee meeting will start with a case study presentation from Miami-Dade County Water and Sewer Department on its biosolids management program. As NACWA’s legal challenge of EPA’s Clean Air Act standards for sewage sludge incinerators wraps up, the committee will be briefed on the latest filings and next steps. The Committee will also explore a range of other topics include a new Natural Resource Conservation Service standard that could impact biosolids land application operations and the regulatory status of wastewater-derived products under the Part 503 rules.</p>
<p><i>Afternoon</i> 12:15 – 1:45 <i>Jasmine</i> <i>Terrace Level</i></p>	<p>Facility & Collection Systems Committee</p> <p>The Facility and Collection System Committee will begin with a presentation on the Wet Weather Management Plan (WWMP) of the City of Columbus. The WWMP resulted from the City's consent decree and relied exclusively on gray infrastructure, but is now being revised to become an Integrated Plan that focuses on inflow and infiltration (I/I) reduction and green infrastructure. This presentation will be followed by a discussion on I/I control from private property, and Committee members are invited to share their experiences and plans to address this issue. Financial capability will be the next topic of discussion, with updates on NACWA's Targeted Action Fund project to update its 2007 financial capability paper and the work being done by other organizations to develop better methods of determining affordability. The meeting will conclude with updates on state wet weather management policies and on progress made to address the problem of flushable wipes and other products.</p>
2:00 – 3:00 <i>Jasmine</i> <i>Terrace Level</i>	<p>Stormwater Management Committee</p> <p>NACWA’s Stormwater Management Committee will address a number of timely, hot topics currently impacting the municipal stormwater utility community. The meeting will kick off with an update on regulatory developments, including EPA’s ongoing efforts to draft a new national stormwater rule for release and public comment in June 2013. The committee will also discuss some key recent legal developments in the stormwater arena, most importantly a recent federal court decision striking down EPA’s use of “flow TMDLs” for stormwater. Committee members will receive an analysis of the decision and its potential impacts on future stormwater regulation. The meeting will conclude with a presentation and discussion on an innovative new watershed permit from Wisconsin specifically for stormwater discharges, including how the permit was crafted, key elements in the permit, and how other stormwater utilities may be able to pursue similar watershed permitting approaches.</p>
3:15 – 4:45 <i>Jasmine</i> <i>Terrace Level</i>	<p>Legal Affairs Committee</p> <p>The Legal Affairs Committee will review and discuss the status of key ongoing litigation matters in which NACWA is currently involved. First among the legal developments addressed will be EPA’s recent denial of the Natural Resources Defense Council’s petition to amend the secondary treatment regulations and include nutrient removal requirements. The committee will review EPA’s denial</p>

and its potential implications for any future efforts to modify secondary treatment standards. The committee will also be updated on other NACWA litigation activities including the ongoing Mississippi River nutrients case, the Upper Blackstone permit appeal, current litigation over the Chesapeake Bay TMDL and water quality trading, and the recent Supreme Court ruling on water transfers. Following the litigation update, the committee will engage in discussion about the possibility of a new enforcement approach as a result of EPA's integrated planning framework and recent partnership agreements between EPA and clean water utilities, including implications for new and existing wet weather consent decrees. The meeting will close with an overview on how the committee will be using NACWA's new *Engage* social media platform.

Evening

6:00 – 7:30

Orchid BCD

Terrace Level

National Environmental Achievement Awards Ceremony & Reception

Join us in a celebratory evening honoring NACWA's *National Environmental Achievement Award* recipients. The evening will begin with an Awards Ceremony showcasing the very best NACWA's member agencies have to offer from operations to public outreach. Following the ceremony, join your colleagues in celebrating the evening's honorees at an Awards Reception. With its festive and ceremonial tone, the evening will be the perfect way to wind down after a full day of committee meetings.

Tuesday, February 5

Morning

7:15 – 4:00

Riverfront Hall

Foyer

Registration

7:45 – 8:45

Jasmine

Terrace Level V

Utility Management Committee

The Utility Management Committee will continue its ongoing dialogue regarding sustainable utilities by exploring utility efforts to increase their resiliency to natural disasters and longer-term impacts from climate change. The Miami-Dade Water and Sewer Department will lead a discussion based on its experiences and lessons learned. The Committee will discuss recent trends in performance-based regulation and get an early preview of the preliminary results from NACWA's 2012 *Index Survey*.

9:00 – 10:00

Pure Verde

Spouse & Guest Lounge

9:00 – 12:00

Riverfront South

GENERAL SESSION I

Opening Remarks

Suzanne Goss*

NACWA President

Government Relations Specialist

JEA (Electric, Water & Sewer)

Jacksonville, FL

Welcoming Remarks

Douglas Yoder*

Deputy Director, Regulatory Compliance and Capital Improvements

Miami-Dade Water and Sewer Department

Miami, FL

Opening Address

A Blueprint for the Utility of the Future

Clean water utilities have begun to transform their operations and their relationships with the communities they serve. Utility efforts to become more sustainable and focus on the triple bottom line impacts of their actions are helping to secure their role as key components of a healthy economy, both at the local and national levels. The most progressive of today's clean water utilities are in fact already helping to define what the utility of the future will look like. NACWA, WEF and WERF are concluding an effort to help facilitate the transition to the utility of the future by identifying the barriers and incentives for innovation and compiling a blueprint for action. Ken Rubin, the lead author of the blueprint, will describe the collaborative effort and the final blueprint.

Ken Rubin*

Managing Director

Rubin MalloWS Worldwide

Washington, DC

Panel Discussion

Collaborating for the Future

NACWA, WEF and WERF collaborated on the Utility of the Future effort and the Executive Directors of each organization will discuss their motivations for participating and planned next steps to build on the blueprint.

Moderator/Speaker:

Ken Kirk*

Executive Director

NACWA

Washington, DC

Speakers:

Jeffery Eger*

Executive Director
Water Environment Federation
Alexandria, VA

Glenn Reinhardt*

Executive Director
Water Environment Research Foundation
Alexandria, VA

10:15 – 10:30

BREAK

Panel Presentation

Tomorrow's Clean Water Utility Begins to Emerge

So what does the utility of the future look like? While theories abound on a move away from centralized wastewater treatment toward more onsite reuse and decentralized, cluster treatment systems, it is hard to predict such expansive transformation. What is clear is that we are already witnessing a transformation within the existing clean water community. Industry leaders are taking action now on multiple fronts – energy recovery and renewables, green infrastructure, and operational efficiency – and a vision of tomorrow's clean water utility is beginning to emerge. Panelists will discuss the broad range of efforts now underway at their utilities.

Moderator/Speaker:

Kevin Shafer*

Executive Director
Milwaukee Metropolitan Sewerage District
Milwaukee, WI

Speakers:

Andrew Kricun*

Executive Director/Chief Engineer
Camden County Municipal Utilities Authority
Camden, NJ

Kevin Hardy*

General Manager
Encina Wastewater Authority
Carlsbad, CA

Closing Remarks

Suzanne Goss*

NACWA President

Afternoon
1:30 – 3:15
Riverfront South

GENERAL SESSION II

Opening Remarks

Suzanne Goss*

NACWA President

Featured Speaker

From Blueprint to Advocacy Agenda

For NACWA, the Utility of the Future effort provided an opportunity to identify the opportunities and roadblocks that lie ahead for clean water agencies as they pursue greater resource recovery and similar initiatives. NACWA can now turn this information into action to maximize the opportunities and remove the roadblocks. Tom Sigmund, who served as the Chair of the Utility of the Future Task Force and one of NACWA's representatives to the Steering Committee, will outline how the blueprint will inform, complement, and build upon NACWA's existing advocacy agenda.

Tom Sigmund*

Executive Director

NEW Water

Green Bay, WI

Featured Speakers

Creating a Path Forward for Emerging Technologies and Innovation

As the demands of wastewater treatment regulations and related environmental requirements drive the clean water community toward more innovative technologies, and as the number of potential technologies continues to grow, the utility community will need to find ways to identify those technologies that present the most viable solutions. Resource constrained technology developers are looking for investment, but need to demonstrate not only the technical capabilities but the market potential of their products. Representatives from Isle Utilities and the Water Environment Research Foundation (WERF) will discuss how they are working to bring emerging and innovative technologies to the clean water community.

Piers Clark*

Chairman

Isle Utilities

Epsom, UK

Glenn Reinhardt*

Executive Director

Water Environment Research Foundation

Panel Presentation

The Vernacular of Water and its Implications for the Future

The language we use in the clean water community to describe our systems, products, processes and residuals has been a perennial topic of discussion for many years. Sewage sludge to biosolids, AMSA to NACWA, reuse or reclaimed or NEWater – the words we use have important meaning for the clean water community but often can be confusing for the general public. As clean water agencies continue to look for ways to recover resources from the wastewater they treat and as they look to transform their relationships with the communities they serve, the language we use will become even more critical. Panelists will discuss the importance of the clean water vernacular and what it means for today's utilities.

Moderator/Speaker:

Ken Kirk*

Executive Director
NACWA

Speakers:

John Batten*

Vice President, Director, Strategic Client Development
Malcolm Pirnie, the Water Division of ARCADIS
White Plains, NY

Linda MacPherson*

Vice President, Reuse Principal Technologist
CH2M HILL
Portland, OR

Closing Remarks

Suzanne Goss*

NACWA President

3:30 – 5:15

Jasmine

Terrace Level

Legislative & Regulatory Policy Committee

In this first meeting of the newly created Legislative & Regulatory Policy Committee, members will discuss the outlook for 2013 in Congress and EPA and where NACWA's advocacy efforts will likely be focused. The Committee will also discuss the latest developments regarding integrated planning and NACWA's draft wet weather legislation.

Featured Presentation

Innovation and Regulatory Barriers

Jeff Lape*
Deputy Director
Office of Science and Technology, Office of Water
U.S. Environmental Protection Agency
Washington, DC

Evening

6:00 – 7:30 Reception at EPIC Hotel

EPIC Hotel

North Pool Deck

16th Floor

270 Biscayne Blvd Way

Wednesday, February 6

Morning

8:30 – 10:00 Registration

Riverfront Hall

Foyer

9:00 – 12:00 **GENERAL SESSION III**

Riverfront South *Opening Remarks*

Suzanne Goss*

NACWA President

Featured Speakers

Plugging into Clean Water's Future

Efforts to improve energy efficiency throughout the wastewater treatment process have been around for years and more recently utilities have increasingly looked for ways to put their digester gas to use. Recognizing that wastewater contains more energy than what is required to treat it, some utilities are now striving to become net-energy producers. While some plants are working to generate electricity themselves, others are generating alternative gas products including compressed natural gas for power production or vehicle use. Others are combining these efforts with traditional renewables like solar, wind and even hydropower. Panelists will discuss current efforts to 'plug into clean water's future', best practices in the municipal sector and lessons learned from other business sectors.

Sophia Skoda*

Resource Recovery Program Manager

East Bay Municipal Utility District

Oakland, CA

Chris Harris*

Director of Wastewater Operations
Atlantic County Utilities Authority
Pleasantville, NJ

Featured Speaker

The Role of Water Reuse in Miami-Dade County

While Florida is seen as a national leader on water reuse, the southeast coast of the state, including Miami, has historically not been very involved in reuse. With ocean outfalls and deep well injection, wastewater disposal options are less limited, and reuse water has not been cost-competitive with plentiful groundwater. Miami-Dade, however, was thrust into the water reuse world by a regulatory mandate and now, facing a lack of demand, is working to put in place a plan that meets its needs but is also mindful of the energy consumption and greenhouse gas emissions associated with reuse.

Douglas Yoder*

Deputy Director, Regulatory Compliance and Capital Improvements
Miami-Dade Water and Sewer Department

Panel Presentation

Community Resiliency in Uncertain Times

While current resource recovery, energy generation, and green infrastructure efforts are helping to define its future, what lies ahead for the clean water community no doubt is filled with uncertainty and the potential for the unexpected. While future changes in the climate are clearly a driver, extreme weather events, aging infrastructure challenges, security threats, and water resource availability, among other drivers, are already impacting utility decision-making. Superstorm Sandy is the most recent reminder of the vulnerability of the Nation's wastewater infrastructure, stressing the importance of the growing emphasis on community resiliency. Panelists will discuss efforts to ensure clean water agencies are prepared for and/or can recover from these and other potential threats and provide a firsthand account of the efforts to recover from Superstorm Sandy and make changes to prevent such widespread impact in the future.

Moderator:

Hilary Meltzer*

Deputy Chief, Environmental Law Division
NYC Department of Law
New York, NY

Speakers:

Kathy Freas*

Global Service Team Director/ Water Business Group
CH2M HILL
Albuquerque, NM

Pinar Balci*

Director, Bureau of Environmental Planning & Analysis
NYC Department of Environmental Protection
Corona, NY

Michael Dexter*

EPA ORISE Participant, CBWR Project
U.S. Environmental Protection Agency
Washington, DC

Closing Remarks/Adjourn

Suzanne Goss*

NACWA President