



*2010 Summer Conference and 40<sup>th</sup> Annual Meeting*

*Sustainable Resource Management –  
Lessons from Clean Water's Past and Present*

*July 20 - 23, 2010  
Fairmont San Francisco  
San Francisco, California*

*As of July 1, 2010*

Δ – Board of Directors Committees  
\* - Denotes Confirmed Speakers

*Tuesday, July 20*

*Morning*

7:30 – 4:00                      Registration  
*Garden Room Foyer*

8:15 – 9:15                      Strategic Planning Committee Δ  
*Fountain Room*

9:00 – 10:00                      Spouse & Guest Lounge  
*Cirque Room*

9:30 – 10:30                      Finance Committee Δ  
*Crystal Room*

9:30 – 10:30                      Climate Change Committee  
*French Room*

11:00 – 12:00                      Water Quality Committee  
*French Room*

*Afternoon*

1:00 – 2:00                      Biosolids Management Committee  
*French Room*

1:00 – 2:00                      Stormwater Management Committee  
*Venetian Room*

Δ Board Meeting

\* Confirmed Speaker

2:15 – 3:15 <i>Green Room</i>	Membership Committee Δ
2:15 – 3:15 <i>Venetian Room</i>	Facility & Collection System Committee
3:30 – 4:30 <i>Fountain Room</i>	Utility Management Committee
4:00 – 5:00 <i>Venetian Room</i>	Legal Affairs Committee
<i>Evening</i> 5:45 – 7:00 <i>Loggia</i>	Registration
6:00 – 7:30 <i>Pavilion</i>	<p>National Environmental Achievement Awards/Peak Performance Awards Ceremony &amp; Reception</p> <p>Join us as we kick off the Summer Conference with an award ceremony and reception honoring agencies receiving NACWA's 2010 National Environmental Achievement Awards and member agency facilities for their peak performance.</p> <p><i>Business attire is recommended for this event.</i></p>

**Wednesday, July 21**

<i>Morning</i> 7:30 – 8:45 <i>Pavilion Room</i>	Legislative & Regulatory Policy Committees (Joint Meeting)
7:00 – 4:00 <i>Garden Room Foyer</i>	Registration
9:00 – 10:00 <i>Cirque Room</i>	Spouse & Guest Lounge
9:00 – 12:00 <i>Venetian Room</i>	<p><b>GENERAL SESSION I</b></p> <p><i>Opening Remarks</i></p> <p><b>Kevin Shafer*</b> NACWA President (2009-2010) Executive Director Milwaukee Metropolitan Sewerage District Milwaukee, WI</p>

*Welcoming Remarks*

**The Honorable Gavin Newsom (Invited)**

Mayor

City of San Francisco

San Francisco, CA

*Conference Keynote*

**A Vision for Clean Water in the 21<sup>st</sup> Century and Beyond**

Dr. Peter H. Gleick, co-founder and president of the *Pacific Institute for Studies in Development, Environment, and Security* in Oakland, California, will reflect on the past 40 years of implementing the Clean Water Act and how lessons learned over these decades have helped to articulate a vision for clean water in the 21<sup>st</sup> Century and beyond. Dr. Gleick's research and writings address the critical connections between water and human health, the hydrologic impacts of climate change, sustainable water use, privatization and globalization, and international conflicts over water resources. Dr. Gleick is an internationally recognized water expert and was named a MacArthur Fellow in October 2003 for his work. In 2001, Gleick was dubbed a "visionary on the environment" by the British Broadcasting Corporation and in 2006, he was elected to the National Academy of Sciences in Washington, D.C.

**Peter Gleick\***

President

Pacific Institute

Oakland, CA

10:15 – 10:30

BREAK

*Roundtable*

**Clean Water Act Perspectives...Past and Present**

While the Clean Water Act has been one of the most successful environmental statutes to date, many worry that the progress made so far will soon be lost as the Nation's population grows and development spreads. What was initially the target of the Clean Water Act's mandates – point source dischargers – has now been effectively addressed. We now are faced with substantial challenges as we work to address the remaining sources of water quality impairment – nonpoint sources including urban and agricultural runoff and air deposition. How we overcome these challenges has been, and will continue to be, the subject of much debate among the clean water community and all its stakeholders. Current and former EPA officials will provide their perspectives on the issues of the past, the successes we can point to, and the challenges we face in the future.

*Moderator*

**Kevin Shafer\***

NACWA President (2009-2010)

*Roundtable Participants*

**Ben Grumbles\***

Director

Arizona Department of Environmental Quality  
Phoenix, AZ

**Peter Silva**

Assistant Administrator

Office of Water

U.S. Environmental Protection Agency  
Washington, DC

11:30 – 12:00

*Venetian Room*

*Annual Association Business Meeting*

Report of the President

Report of the Treasurer

Election of Directors

Report of the Executive Director

*Closing Remarks*

**Kevin Shafer\***

NACWA President (2009-2010)

*Afternoon*

12:15 – 2:00

*Pavilion Room*

Board of Directors Meeting

2:00 – 4:30

*Venetian Room*

**GENERAL SESSION I (continued)**

*Opening Remarks*

**Jeff Theerman\***

NACWA President (2010-2011)

Executive Director

Metropolitan St. Louis Sewer District  
Saint Louis, MO

**Industry Leader Keynotes**

**Jeffrey W. Connelly\***

Vice President

Global Supply Chain, Water & Process Technologies

GE Power & Water

Burlington, MA

**Carter Strickland\***

Deputy Commissioner for Sustainability

NYC Department of Environmental Protection

Flushing, NY

*Featured Speaker*

**From Waste to Resource...The Evolution of an Industry**

Forty years ago, most of the wastewater industry's energy was focused on securing funding for upgrades that would allow our treatment plants to meet new federal mandates for treatment. Over time our focus has shifted from 'treating wastewater' to producing 'clean water' – focusing on the product, rather than the waste. Now that evolution is poised to take the clean water community into a new frontier, as our clean water, biosolids and other 'byproducts' are increasingly sought after as key resources that can substitute for raw materials or be used to generate energy. Eric Sapirstein, a Washington insider who has spent his career with the clean water community, will provide his perspective on how the industry has changed and how changes in Washington may facilitate this evolutionary process.

**Eric Sapirstein\***

President

ENS Resources

Washington, DC

*Featured Speaker*

**The Energy/Water Nexus...Two Industries' Interdependence**

Now the subject of a series of Government Accountability Office reports, the energy/water nexus continues to garner significant attention from policymakers at all levels of government. The Nation's water needs for energy production will only continue to grow as rising populations increase power demands and more focus is placed on domestic energy production. At the same time, the energy needs of the water sector are significant and will only continue to increase as new regulations demand additional and higher levels of treatment. The clean water community has unique opportunities to both reduce its power demands and tap into the potential energy of the many resources it already manages. A key government official from the National Renewable Energy Laboratory will describe the current dynamics among energy production and water use, and how power demands, climate change, and other 21<sup>st</sup> century challenges will continue to put stress on this key resource nexus.

**Robin Newmark\***

Principal Program Manager

Planning and Program Development

National Renewable Energy Laboratory

Golden, CO

*Closing Keynote*

**Going Off the Grid**

Many utilities are exploring energy generation opportunities to reduce operating costs, offset their environmental impacts, or simply to put to good use a resource that might otherwise be wasted. For some utilities energy independence – going completely off the power grid – has become a core utility

mission. The Inland Empire Utilities Agency (IEUA) in Chino, California has set a goal of being off the grid by 2020. An IEUA representative will describe how their agency is harnessing the energy from methane gas generated by the wastewater treatment process, capturing solar energy through photovoltaic installations, and assessing the feasibility of other potential energy sources including wind power and bio-fuels from algae.

**Thomas Love\***

Interim Chief Executive Officer/ General Manager  
Inland Empire Utilities Agency  
Chino, CA

*Closing Remarks*

**Jeff Theerman\***

NACWA President

6:00 – 8:00

*Gold Room*

NACWA Hall of Fame Induction Ceremony & President's Reception

Join us as the Association marks its 40th anniversary by recognizing an inaugural class of 40 individuals as members of the new *NACWA Hall of Fame*. The reception which follows the induction ceremony provides a backdrop for celebrating outgoing and welcoming new leadership for the Association.

*Attire for this special ceremony and reception is cocktail/ business formal.*

**Thursday, July 22**

*Morning*

7:00 – 12:00

*Garden Room Foyer*

Registration

9:00 – 10:00

*Cirque Room*

Spouse & Guest Lounge

9:00 – 11:45

*Venetian Room*

**GENERAL SESSION II**

*Opening Remarks*

**Jeff Theerman\***

NACWA President

**Industry Leader Keynote**

**Robert Eimstad\***

Partner

Sustainability Lead

Carollo Engineers

Walnut Creek, CA

*Featured Speakers*

**Reuse's Role in 21<sup>st</sup> Century Water Policy**

While water reuse is growing nationwide, the western U.S. continues to be a hot-bed of activity, with California continuing to set the pace for the Nation as it seeks to double the amount of water recycled in the state. Orange County's groundwater replenishment system is the largest in the state and among the most sophisticated in the world. The system is charting new territory for the country's reuse programs. Meanwhile, the State Water Resources Control Board's Recycled Water Policy and an expert panel effort to address contaminants of emerging concern in recycled water are garnering significant attention both in California and nationwide. New policies, together with technology advances, are helping to shape the future of reuse and cement its role as a cornerstone of U.S. water policy. Two industry leaders, from the private sector and the public water reuse community, will provide their perspectives on the future challenges and opportunities in recycling water.

**Jon Freedman\***

Government Relations Leader  
GE Water  
Washington, DC

**Paul Jones\***

President, WaterReuse California  
General Manager  
Irvine Ranch Water District  
Irvine, CA

10:15 – 10:30

BREAK

*Featured Speakers*

**Infrastructure Sustainability – Financing and Management**

The term sustainability is used in many contexts, but its use to describe how clean water agencies manage their infrastructure, both from the physical asset and financing perspectives can be interpreted in many different ways. With their complex asset management programs, massive capital budgets, and tremendous presence in the bond and other lending markets, today's clean water agencies are sophisticated business enterprises that continue to evolve to ensure their 'sustainability' into the future. At the same time, the federal government, once a major partner in providing funding to ensure communities had the infrastructure necessary to accommodate growth, is now attempting to target its limited funding to upgrading existing infrastructure and passing over projects that might encourage additional growth. Clearly, the business of managing a clean water agency has evolved from the heyday of the construction grants program to the lean times being experienced today during the most severe economic downturn since the Great Depression. An industry financial leader will be joined by an elected official from San Francisco to discuss how utilities

have changed, what changes are still needed, and whether we are truly on a path toward infrastructure sustainability.

**Ken Rubin\***  
Arlington, VA

**Sophie Maxwell\***  
Supervisor – District 10  
Board of Supervisors  
City and County of San Francisco  
San Francisco, CA

*Closing Remarks/Announcements*

**Jeff Theerman\***  
NACWA President

*Afternoon*

11:00  
*Lobby* Meet to board buses for NACWA Open

12:00 – 5:00  
*Harding Park*  
*Golf Course* **2010 NACWA OPEN – Golf Tournament**

12:00  
*Lobby* Meet to board buses for Facility Tour

12:15 – 4:30  
*Oceanside Plant*  
*San Francisco*  
*Public Utilities* **FACILITY TOUR**

*Evening*  
6:30 – 10:00  
*Tonga Room* 40<sup>th</sup> Anniversary Celebration and Dinner  
Promising to be an evening of dinner, dancing, and shared AMSA/NACWA memories with colleagues and friends, our festivities will take place in the island style inspired atmosphere of the Fairmont's Tonga Room. This historic location has delighted guests since 1945.

*Attire for Thursday evening's celebration is Tropical/Festive.*

*Friday, July 23*

*Morning*  
8:00 – 10:00  
*Garden Room Foyer* Registration

9:00 – 11:15  
*Venetian Room*

### GENERAL SESSION III

#### *Opening Remarks*

**Jeff Theerman\***  
NACWA President

#### INDUSTRY LEADER PERSPECTIVES

**Doug Owen\***  
Vice President and Chief Technology Officer  
Malcolm Pirnie, Inc.  
White Plains, N.Y.

#### *Featured Speakers*

#### Scale and Scale Up – Resource Recovery Done Right

**Craig Criddle\***  
Professor, Civil and Environmental Engineering  
Stanford University  
Palo Alto, CA

#### *Featured Speakers*

#### Lessons from the Bay Area and Beyond

San Francisco Bay, like many of America's Great Waters, is facing numerous water quality challenges. But the Bay's water quality problems only scratch the surface of the array of water and other environmental challenges confronting the western U.S. Often viewed as being on the cutting edge of new regulations and environmental controls, California and the western U.S. are also leading the way on minimizing the environmental impact of their clean water operations. Felicia Marcus, Western Region Director for the Natural Resources Defense Council, who has worked on all sides of this issue, will provide her perspective on the progress made in water quality and resource management and the challenges that lie ahead. Gary Darling, General Manager of the Delta Diablo Sanitation District, will discuss how Bay area agencies are leveraging their collective resources through regional partnerships to make their operations more sustainable.

#### *Moderator*

**Michele Pla\***  
Principal  
MPLA - Cleanwater Consulting  
Former NACWA President  
San Francisco, CA

#### *Featured Speakers*

**Gary Darling\***  
General Manager  
Delta Diablo Sanitation District  
Antioch, CA

**Felicia Marcus\***

Western Region Director

Natural Resources Defense Council

San Francisco, CA

*Closing Remarks/Adjourn*

**Jeff Theerman\***

NACWA President