

MSSC 2010 Salinity Summit
Water and Energy: "Preparing for Global Impacts"
February 17-19, 2010

Conference Schedule

Wednesday, February 17, 2010

- 4 p.m.–6 p.m.** **Conference Registration**
(Foyer, East Ballroom)
- 4 p.m.–6 p.m.** **Exhibitor Set up** (East Ballroom 8)

Thursday, February 18, 2010

- 7 a.m.–4 p.m.** **Conference Registration**
(Foyer, East Ballroom)
- 7 a.m.–8 a.m.** **Continental Breakfast**
(Exhibit Area)
- 8:15 a.m.–8:20 a.m.** **Opening Remarks**
Edmund Archuleta, *El Paso Water Utilities,*
Multi-State Salinity Coalition Chairman
- 8:20 a.m.–8:45 a.m.** **Opening Keynote Presentation:**
Mike Gabaldon, *Director, National Denver Technical*
Center, U.S. Bureau of Reclamation, "Water and Energy —
Meeting Demands Today and into the Future"
- 8:45 a.m.–10:15 a.m.** **Policy Session**
This session is the traditional Summit Kick-Off Session. Federal and legislative representatives will discuss concentrate management and how we focus on this in our future.
Moderator: **Eric Sapirstein**, *President, ENS Resources Inc.*
Joshua Johnson, *Republican Professional Staff,*
Subcommittee on Water & Power, Committee on Energy & Natural Resources, U.S. Senate
David Wegner, *Staff Director, Subcommittee on Water & Power, Committee on Natural Resources*
Kiel Weaver, *Republican Staff Director, Subcommittee on Water & Power, Committee on Natural Resources, U.S. House of Representatives*
Roger Cockrell, *Professional Staff, Subcommittee on Energy & Water Development Appropriations*
John O'Donnell, *Murray, Montgomery, O'Donnell*
Tanya Trujillo, *Counsel, Subcommittee on Water & Power, Committee on Energy & Natural Resources, U.S. Senate*
- 10:15 a.m.–10:30 a.m.** **Break, Exhibit Area**
- 10:30 a.m. – 11:05 a.m.** **Environmental Session**
Moderator: **Kevin Thomas**, *Environmental Services Manager, RBF Consulting*

Dave Mayer, *Tanara, "Marine Life Impingement Issues"*

Cynthia McClain Hill, Esq., *Strategic Counsel, PLC,*
"Coastal Commission Issues"

11:05 a.m.- 12:15 p.m. International Experience: What can U.S. water utilities and others learn from this experience?

According to the International Desalination Association's Yearbook from Global Water Intelligence, the capacity of desalination plants worldwide is now 15.8 billion gallons per day and has grown by 1.7 billion gpd in the past year. During this period, 700 new brackish and seawater plants were commissioned with another 244 plants under contract or in construction with a capacity of 2.4 billion gpd. Since November 2007, installed capacity of seawater plants has expanded by 29.6%. The great majority of the growth has occurred outside the United States. Why?

Moderator: **Kevin Price**, *Team Leader, U.S. Bureau of Reclamation*

Lisa Henthorne, P.E., *Officer, Water Standard, Immediate past president of the International Desalination Association, "A global perspective & trends"*

Tom Pankratz, *Publisher/Editor GWI Water Desalination Report, "Important lessons for the United States concerning environmental issues, financing/project delivery, and other cutting edge topics"*

Cesar Lopez, *Senior Water Resource Specialist, San Diego County Water Authority, "Rosarita Pipeline Discussion"*

Lorri Gray-Lee, *Regional Director, Bureau of Reclamation, "YDP Desalting Efforts"*

12:20 p.m. – 1:45 p.m. Luncheon & Keynote Speaker Patricia Mulroy, General Manager, Southern Nevada Water Authority

1:45 p.m. – 2:50 p.m. Roadmap of Desalination & the Future of Water Supply

Who can predict what tomorrow's water supply picture will look like? Many have tried. This session will include insights about various areas of water supply from knowledgeable people, to give attendees a glimpse of how the future may unfold and give you a head start on planning for it.

Moderator: **Robert R. Puente**, *CEO & President, San Antonio Water System*

Wade Miller, *Executive Director, WateReuse Foundation, - "Policy Directions for Desalination & Advanced Water Treatment"*

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Curt Brown, *Director of Research, U.S. Bureau of Reclamation, "Update on National Academy's Desal Roadmap"*

Jorge Arroyo, *Director of Special Projects, Texas Water Development Board, "Texas Desal"*

2:50 p.m. – 3:10 p.m. Break and Networking

3:10 p.m. – 4:15 p.m. Global Climate Change Impacts & What It Does with Water Supply.

The impacts of climate change on the water cycle are complex and varied. We can anticipate a variety of potential impacts including changing temperature, precipitation patterns, the timing of precipitation, duration and distribution of snow fall, and so on. This in turn can impact water availability by changing stream/river flows, changing the timing of peak flows and reservoir refill, and even the recharge of groundwater aquifers. Water quality can be impacted as well. Potential effects include increased contaminants and higher TDS due to lower flows and higher evaporation associated with inland surface water systems, increased salt water intrusion into coastal aquifers as a result of sea level rises and other fundamental changes in water chemistry such as changes to the eH and pH of the water. Understanding and managing the impact of climate change on water quality and availability is a daunting challenge. This session is designed to help planners and managers understand the impacts of climate to water that impact its management, storage, treatment, and distribution in coastal and inland communities.

Moderator: Mark Rigali, *Manager, Sandia National Laboratories*

Michael Strobel, Ph.D., *Director, NRCS National Water Climate Center, "National overview on climate change and effects on water supplies"*

Y. Jeffrey Yang, Ph.D., P.E., D.WRE, *USEPA, Development National Risk*

Diane Van De Hei, *Executive Director, Association of Metropolitan Water Agencies*

4:15 p.m. – 5:15 p.m. New Technologies to Manage Salinity

Discoveries in the area of salinity management help water managers meet the needs of their customers. Desalination and salinity research both advance the state of understanding as well as creating usable solutions to critical problems. This session will expose participants to ideas and projects underway in various locales and industry sectors, to help spread awareness of innovative solutions to challenges.

Moderator: **Rob Renner**, *Executive Director, Water Research Foundation*

Chi-Chung Tang, *Head, Wastewater Research Section, Los Angeles County Sanitation District, "Valencia Pilot Project - looking at applications where substituting nanofiltration for RO might be possible for waste water treatment"*

Abbas Ghassemi, Ph.D., *Director, Institute for Energy and Environment, "Research at Brackish Groundwater National Desalination Research Facility"*

Paul Choules, *Vice President-Desalination & Reuse Americas- "Using "Kidneys" in Reverse Osmosis"*

Thomas Davis, Ph.D., *University of Texas, El Paso*

5:15 p.m. – 7:30 p.m. Reception and Poster Session

Friday, February 19, 2010

7:30 a.m. – 12:00 p.m. Conference Registration

7:30 a.m. – 8:00 a.m. Continental Breakfast,
Exhibit Room

8:15 a.m. – 8:45 a.m. Opening Keynote Presentations
Honorable Congresswoman Grace Napolitano,
Committee on Natural Resources, U.S. House of Representatives

Peter Silva, P.E., *Assistant Administrator for Water, U.S. Environmental Protection Agency, Washington DC (invited)*

8:50 a.m. – 10:00 a.m. Energy/Water Nexus Session 1: Carbon Footprint
Moderator: **Shahid Chaudhry**, *Program Manager, California Energy Commission*

Diego Rosso, Ph.D., D.Ch. Eng., *Assistant Professor, University of California, Irvine, "Carbon- and Energy-Footprint Analyses: Dynamic Tools for Process Optimization and Environmental Impact Reduction in Water and Wastewater Treatment"*

Gary Crisp, *Service Line Leader, Desalination, GHD, "Reducing Carbon footprint of a Seawater Desalination Plant – An Australian Case Study"*

10:00 a.m. – 10:15 a.m. Break

10:15 a.m. – 11:30 a.m. Energy/Water Nexus Session 2: Co-Location of Desalination and Power Generation
Moderator: **Mike Hightower**, *Distinguished Member and Technical Staff, Sandia National Laboratories*

Val Frenkel, Ph.D., P.E., D.WRE, *Director, Membrane Technologies, Kennedy & Jenks, "Co-Locating Desalination Plants: Major Aspects and Scenarios"*

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Joe Flynn, CEO, Water Industry Alliance, "Australian National Desalination Research Center & Joint Research Opportunities"

11:30 a.m. – Noon

Closing Remarks and Adjourn

Registration Form

MSSC 2010 Annual Salinity Summit • February 18-19, 2010
Monte Carlo Resort & Casino • Las Vegas, Nevada

Early Registration: \$350 per person
Late Registration: \$395 per person
Speaker Registration: \$275 per person

Early Registration is **before** Friday, January 15, 2010
Late Registration is **after** Friday, January 15, 2010

Certain sponsorships include complimentary registration. Please use this form for those individuals and indicate that it is a complimentary sponsorship reservation.

PLEASE PRINT (as you would like it to appear on your name tag)

First Name _____ Last Name _____

Title _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone Number (____) _____ Fax (____) _____

E-mail _____

Do you plan to attend the luncheon on February 18, 2010? Yes No

Do you plan to attend the reception on February 18, 2010? Yes No

Check Included Check # _____ P.O.# _____

Hotel Information: A block of rooms is reserved at the Monte Carlo Resort & Casino at a special rate of \$65/night. Please call 1-800-311-8999 and mention the Group Code XMSS. The room block is reserved through Monday, January 18, 2010.



Payment: Please mail your registration form with payment to:
MSSC Attention: Tina Triplett
P.O. Box 50081 • Sparks, NV 89435
(775) 473-5473 • Creativerno@charter.net

Or go to multi-statesalinitycoalition.com to register online!

Monte Carlo Resort & Casino

3770 Las Vegas Blvd., South
Las Vegas, NV. 89109

February 18-19, 2010

Hotel Room Reservations:
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Monte Carlo Resort & Casino
at a special rate of
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Monday, January 18, 2010.





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at the Monte Carlo Resort & Casino
3770 Las Vegas Boulevard South
Las Vegas, NV 89109

Sponsorship Form

Name _____

Title _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone (_____) _____ Fax (_____) _____

Email _____

Sponsorship Level

- Bronze Level Sponsorship — \$700**
Reserves space for your logo in the Summit Program.
- Silver Level Sponsorship — \$1,000**
Sponsors one of the Morning or Afternoon Breaks on February 18-19, 2010. It also reserves space for your logo in the Summit Program and exhibit space at the Annual Summit.
- Gold Level Sponsorship — \$1,500**
Sponsors a Continental Breakfast or Luncheon on either of the event days. It also reserves space for your logo in the Summit Program and exhibit space at the event. Gold level sponsors will receive 1 complimentary registration to the Annual Summit.
- Platinum Level Sponsorship — \$2,500**
Sponsors the Reception, which will be held Thursday, February 18th, 2010. It also reserves space for your logo in the Summit Program and exhibit space at the event. Platinum level sponsors will receive 2 complimentary registrations to the Annual Summit.
- Exhibitor — \$500**
Reserves an 8x8 exhibit space at the Summit with one 6-foot draped table, power outlet, garbage can and 2 chairs.

Please mail the form & payment to:

Multi State Salinity Coalition
c/o Tina Triplett

P.O. Box 50081, Sparks, NV 89435

Or payment can be made online at www.multi-statesalinitycoalition.com



Exhibitor Form

Silver, Gold or Platinum Sponsors

If you are a Silver, Gold or Platinum Sponsor,
please provide exhibit requirements:

Type of Display:

Table Top (one 6 table) _____ or Full Display _____

Power Outlet _____ Draped Table _____

Name and e-mail of Complimentary Registrant(s) – if applicable

Exhibitor (Non-Sponsors)

If you are an Exhibitor (Non-Sponsor),
please provide exhibit requirements:

\$500 _____ \$100 _____ Booth Attendant Only
(Not attending Summit)

Type of Display:

Table Top (one 6 table) _____ or Full Display _____

Power Outlet _____ Draped Table _____

Name and e-mail of Booth Attendant(s)
