

LONG RANGE PLANNING AND WATER POLICY IN CALIFORNIA

- Conference -

Monday, February 11th, 2008 8:00am - 5:00pm

Ontario Convention Center, 2000 Convention Center Way, Ontario, California 91764



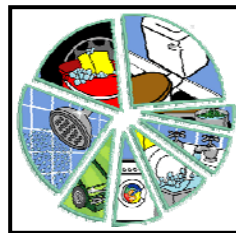
Presented by:
Association of Ground Water Agencies
American Ground Water Trust



in cooperation with the
Groundwater Resources Association of California



HYDROLOGY CHANGES



GREEN TECHNOLOGY



PLANNING



REGULATIONS

- Optional post-Conference Fieldtrip, Tuesday, February 12th (details below)
- Certificates of attendance provided for participants requiring continuing education documentation
- Registration fee includes lunch and breaks
- A CD of the conference presentations will be mailed (post-conference) to all participants

PROGRAM

7:00 – 8:00 REGISTRATION AND SIGN IN

8:00 – 8:20 WELCOME, OPENING REMARKS

- ◆ John Rossi, Chairman, Association of Ground Water Agencies, Riverside, CA
- ◆ Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

8:20 – 9:45

PANEL ONE:

CLIMATE CHANGE: WHAT IS HAPPENING TO CALIFORNIA’S HYDROLOGY?

- ⇒ *The Panel will discuss the current state of the science on incorporating climate change into hydrological analysis*
- ⇒ *Policy changes to address impacts of climate change on water supply, and*
- ⇒ *Case studies showing approaches to incorporating climate change into long-term hydrological analysis.*

Moderator ♦ **Terry Foreman, CH2M Hill, Thousand Oaks, CA**

♦ **Dan Cayan, Researcher, Scripps Institute of Oceanography, USGS, San Diego, CA**
Current State of the Science on Climate Change and Hydrological Analysis

♦ **Mike Floyd, Senior Engineer, California Department of Water Resources, Sacramento, CA**
Climate Change and Implications on State Policy: What's In Your Urban Water Management Plan?

♦ **Armin Munévar, Senior Water Resources Engineer, CH2M HILL, San Diego, CA**
Approaches for Incorporating Climate Change in Water Planning

9:45 – 10:15 BREAK (Networking opportunity)

10:15 – 11:40

PANEL TWO:

HOW GREEN ARE WE GOING TO GET?

- ⇒ *California is in the midst of a major water crisis and solving the water supply side of the equation is only one of the solutions.*
- ⇒ *Looking at the demand side of that same equation will assist us in finding a formula for long term sustainability.*
- ⇒ *Our panelists will address what we can expect will be required and then talk about ways of looking outside the box at new and innovative approaches of going green.*

Moderator: ♦ **Ken Manning, Chino Basin Watermaster, Chino, CA**

Panelists:

♦ **Martha Davis, Executive Manager for Policy Development, Inland Empire Utilities Agency, Chino, CA**
Cost Benefits of Adopting “Green”

♦ **Chris Brown, Executive Director, California Urban Water Conservation Council, Sacramento, CA**
State Issues and the Future of Best Management Practices and Future Grant Compliance.

♦ **Kristeen Buxton, Public Affairs Director, Cucamonga Valley Water District, Cucamonga, CA**
The Local Water Supplier response to Conservation

11:40 – 12:00

AQUIFER STORAGE RECOVERY TECHNOLOGY

♦ **Hank Baski, President, Baski Inc, Denver, CO**

- ⇒ *Perspective on the growth and market potential for ASR applications*
- ⇒ *Cautionary tales about getting the design details right (one size does not fit all)*
- ⇒ *Preview of the post-conference (Feb 12th) Monte Vista ASR Site Field Trip*

12:00 – 1:10 LUNCH (with Keynote presentation)

THE SEVEN BASIN STATES COLORADO RIVER MANAGEMENT AND LONG-TERM AUGUMENTATION PLANS

Luncheon Keynote Presenter:

◆ **William E. Rinne, Director, Resource Management and Technical Services, Southern Nevada Water Authority, Las Vegas, NV**

In December 2007, Secretary of the Interior Dirk Kempthorne signed an historic decision that will implement innovative strategies for management of the Colorado River. The Seven Basin States have been reviewing alternatives for long-term augmentation of the Colorado River. Mr. Rinne will provide conference attendees a hot-off-the-press preview of these plans that are expected to be adopted by the Seven Basin States in January 2008.

1:10 – 2:35

**PANEL THREE:
WATER RESOURCES PLANNING**

- ⇒ *What are the Capabilities of the Ground Water Basins in Southern California?*
- ⇒ *In Drought and Shortage Conditions, Can Ground Water Basins Really Provide Additional Supply Reliability: How will They Perform*
- ⇒ *Integrated Planning: Does Ground Water Storage and Conjunctive Use Provide a Benefit to Supply Reliability*
- ⇒ *Panelists Will Discuss the Positive Impacts Ground Water Basins Can Provide*

Moderator: ◆ **John Rossi, General Manager, Western Municipal Water District, Riverside, CA**

◆ **Grace Chan, Manager, Resource Planning & Development Section, Water Resource Management Group, Metropolitan Water District of Southern California, Los Angeles, CA**
Ground Water Inventories: Water Are the Capabilities of the Ground Water Basins in So. Cal.

◆ **Craig Miller, Assistant General Manager, Orange County Water District, Fountain Valley, CA**
Ground Water Basin Performance: How Much Water Will Really Be Available in Times of Shortage

◆ **Bob Tinchler, Manager of Engineering and Planning, San Bernardino Valley MWD, San Bernardino, CA**
Integrated Planning: How Does Ground Water Improve Long Term Supply Planning

2:35 – 3:05

**NATIONAL RESEARCH COUNCIL REPORT ON PROSPECTS FOR
MANAGED UNDERGROUND STORAGE (MUS) OF RECOVERABLE WATER**

◆ **Catherine (Cat) Shrier, Member of NRC Committee
President, Watercat Consulting LLC, Washington, DC**

The National Research Council (NRC) recently completed a 3-year study of the research and education needs and priorities in underground storage technology and implementation. In a report entitled "Prospects for Managed Underground Storage of Recoverable Water," the committee provided its findings and recommendations on considerations pertaining to hydrogeology; water quality; law, economics, and other institutional concerns; project development, monitoring, financing, and management; and the integration of MUS into overall water resource systems planning and management. The NRC is preparing to host a March 19, 2008, forum on policy, regulatory, economic/financial, and management issues.

3:05 – 3:20 BREAK

3:20 – 4:45

PANEL FOUR:

THE CHANGING LANDSCAPE OF REGULATORY AUTHORITY

The State Water Resources Control Board is reviewing its policies on recycled water use. This Panel will provide a status on this policy review and discuss potential implications to the use of recycled water for groundwater recharge in California.

Moderator: ◆ **Tim Parker, Schlumberger Water Services, Sacramento, CA**
[Groundwater Resources Association Board Member]

◆ **Jonathan Bishop, Deputy Director, State Water Resources Control Board, Los Angeles, CA**
Update on SWRCB Recycled Water Policy: Outlook for Groundwater Recharge

◆ **Gerard J. Thibeault, Executive Officer, Santa Ana Regional Board, Riverside, CA**
How State Policy might impact current and proposed recycled water projects

4:45 – 5:00

WRAP UP – SUMMARY AND CONCLUSIONS

◆ **Michael Fife, Attorney, Brownstein Hyatt Farber Schreck, LLP, Santa Barbara, CA**
Summary of the program and legal perspective on the conference presentations and discussions

5:00 – 6:00 RECEPTION

~ To mail or fax in registration print form below or register online ~

POST-CONFERENCE FIELDTRIP

Tuesday, February 12th, 2008

Maps and directions for the field trip will be provided at the Feb 11th conference at the Ontario Convention Center

Stop # 1 - CHINO BASIN GROUNDWATER RECHARGE PROJECT

Tuesday February 12, 2008 8:30am to 10:15,

Meet at: Monte Vista Water District, Plant #30, 5617 San Bernardino Road, Montclair
Coffee and donuts available from 8:00am

For background information:

http://www.usewaterwisely.com/PDFs/MVW_CrossCurrents.pdf



The field trip participants will hear from Hank Baski, president of Baski Valves Incorporated, project designer Camp, Dresser and McKee and operators of Monte Vista Water District's Aquifer Storage and Recovery (ASR) Program and will see the operation of ASR Well #30. This well is the first of four ASR wells to be developed by the District with full program operation expected by summer of 2008.

The project received the 2005 Integrated Project of the Year from the Santa Watershed Project Authority. Combined, the program wells provide for increased groundwater recharge and production capacity of 5,500 AFY and 11,000 AFY, respectively. Beyond the important benefit of increased groundwater recharge and production capacity, the injection of high quality imported supplies from northern California will provide a significant improvement in local groundwater quality, characterized by nitrate levels in excess of 60 mg/l, improving supply reliability. This project meets the objectives for groundwater cleanup and groundwater storage as outlined in the Chino Basin Watermaster's Optimum Basin Management Plan. The Chino Basin is the largest groundwater basin within Southern California, holding more than 5 million

acre-feet of water. The groundwater basin supplies about 70% of the water required to serve the 700,000 people living within Inland Empire Utilities Agency's service area

Next stop is a 15 – 20 minute drive

Stop # 2 - IEUA ANAEROBIC DIGESTER PROJECT

Manure Digester / Composter & Methane Generation

10:45am to 12:00 noon

Meet at: Inland Empire Utilities Agency, 6075 Kimball Ave, Chino, CA. 91708 (Building A, Board Room)

For background information: http://www.ecoregistry.org/account/details/Inland_MRV_Protocol_01-24-2006.pdf



The field trip participants will hear from IEUA water managers and from the operators of the project. The field trip will commence with a short presentation at IEUA headquarters and then move to the digester facility.

IEUA's... "approach of using local organic material to generate methane gas and produce electricity also contributes greatly to a regional solution to the Chino Basin's dairy manure disposal problem as well as help to meet future water quality requirements."

Art Baggett, Chair, State Water Resources Control Board

"... the first large-scale anaerobic digester demonstrates the technical feasibility to generate renewable energy in combination with composting of manure. This project has set a standard for the nation, and will serve as a model for similar projects to be implemented in Texas, Idaho, New Mexico and other states."

U.S. Representatives David Dreier, Gary Miller and Ken Calvert

"The benefits to Southern California and the state are clear,...keeping pollution out of the groundwater basin, improving water quality, expanding the water supply and reducing air pollution & solid waste."

Frances Spivey-Weber, Executive Director, Mono Lake Committee

~ To mail or fax in registration, print form below or register online ~

 **REGISTRATION FORM** 

REGISTRATION FORM
LONG RANGE PLANNING AND WATER POLICY IN CALIFORNIA
Ontario, CA February 11th, 2008

Advance Registration (Prior to Feb 9th)

| | |
|---|------------------|
| General Registration | \$225.00 |
| Members and Affiliate Members of AGWA..... | \$195.00 |
| Employees of American Ground Water Trust Members (\$250+Level) | \$195.00 |
| Full-Time Students(ID required at registration) | \$110.00 |
| Exhibit Table (6 foot table)..... (Personal registration <u>not</u> included) | \$250.00 |
| Field Trip (Feb 12 th 8:30 – 12:00 to ASR site and Digester) | \$ 25.00 |
| Total..... | \$ _____ |

[Walk-in registration (on day of event) General \$280, AGWA & Trust Members \$230, Student \$130, Fieldtrip \$35]

PAYMENT: **Check** [*Make checks payable to: American Ground Water Trust*]

AMEX **Visa** **MasterCard** **PO#** _____

Credit Card No. _____ **Expiration** _____

Cardholder Name _____

Registration Name _____

Title/Position _____

Company/ Organization _____

Address _____

City _____ **State** _____ **Zip** _____

Phone _____ **Fax** _____ **E-Mail** _____

Register by:

MAIL - American Ground Water Trust, 16 Centre Street, Concord, NH 03301

 **FAX - (603) 228-6557**  **TEL - (603) 228-5444**

American Ground Water Trust

Ground Water Information, Awareness & Education Since 1986

- Promoting efficient and effective ground water management
- Communicating the environmental and economic value of ground water
- Showcasing ground water science and technology solutions
- Increasing citizen, community and decision-maker awareness
- Facilitating stakeholder participation in water resource decisions

Association of Ground Water Agencies

The mission of the Association of Ground Water Agencies (AGWA) is to promote interagency solutions that enhance the effective management of ground water resources. Specifically, AGWA's purpose is to create a forum for the discussion of groundwater issues of interest to those entities that either by court judgment or statute are responsible for management of groundwater basin resources, and to take action where appropriate in connection with such issues. AGWA's primary objectives are:

- Promote more effective means of enhancing management of groundwater basins
- Promote the reliability of existing groundwater supplies and the increase of basin yield
- Promote the protection and enhancement of groundwater