



COLORADO WATER CONGRESS

52nd Annual Convention

January 27–29, 2010
Hyatt Regency Denver Tech Center

**RESPECTING OUR PAST, LEADING IN THE PRESENT,
BUILDING FOR THE FUTURE**

WEDNESDAY, JANUARY 27

PRE-CONVENTION MEETINGS

8:00 am Colorado Water Conservation Board Meeting (Hilton Garden Inn)
8:00 am Water Leaders Training by Colorado Foundation for Water Education
(Bristlecone Room)
3:00 pm CWCB - CWC Joint Board Meeting (Hilton Garden Inn)
7:00 pm Colorado Water Congress Board Meeting (Wind Star Room)

PRE-CONVENTION WORKSHOPS

8:30 am – Colorado Compacts Workshop (Mesa Verde Room)
12:00 pm *Co-sponsored by the Colorado Foundation for Water Education*

8:30 am – Water Quality Workshop (Grand Mesa Room F - lunch included)
4:00 pm

1:30 pm – Directors and Officers Training for Ditch Companies Workshop
5:30 pm (Mesa Verde Room) *Co-sponsored by the Ditch and Reservoir Company Alliance*

2:30 pm – Communication Skills Workshop: Getting Your Message Across
5:00 pm (Centennial Room) *Presented by Hartman and Brown*

THURSDAY, JANUARY 28

7:00 am **LEGISLATIVE BREAKFAST & PROGRAM** (Grand Mesa Ballroom)
Hosted by the Colorado Water Congress State Affairs Committee
Moderator: Chris Treese, Vice President, Colorado Water Congress

- 2010 State Legislation of Interest to the Colorado Water Community
- 2010 Ballot Proposals on Taxation
- Update on CWCB Loan Funds

9:00 am **OPENING GENERAL SESSION** (Grand Mesa Ballroom)

A Tribute to the Colorado Water Conservation Board

Moderator: Jennifer Gimbel, Director, Colorado Water Conservation Board

Reflections on events that have shaped Colorado's principal water policy agency,
with former CWCB Directors:

*J. William McDonald
Rod Kuharich*

A Special Address by Colorado Governor Bill Ritter

10:15 am **BREAK**

10:45 am **CONCURRENT SESSIONS I**

Session 1A **Water Governance** (Grand Mesa Room A)

Trans-Boundary Water Governance in the Western United States
Tanya Heikkila, University of Colorado at Denver

1,000 Years of Water Management in the Netherlands
Carla Schnitker, Turnaround Leadership Expertise

Session 1B **New Ways of Thinking About Water Conservation** (Grand Mesa Room B)

Moderator: MaryLou Smith

Out of This World Water Conservation Video
Mark Shively, Douglas County Water Resource Authority

How Landscapes Can Become a Community's Protection Against Drought
Stephen Smith, The Irrigation Association

Landscape Water Conservation Strategies in Colorado and Across the Country
Paul Lander, American Society of Landscape Architects Water Conservation Network

Integrating Land Use Planning and Water Conservation
Beorn Courtney, Headwaters Corporation

Session 1C **Water Project Financing In Uncertain Times** (Grand Mesa Room C)

Water Infrastructure Network - Colorado
Marilen Reimer, American Council of Engineering Companies of Colorado

Updates on Recovery Act Funds and Changes to the State Revolving Fund Programs
Mike Brod, Colorado Water Resources and Power Development Authority

Session 1D **Everything You Wanted to Know About The Gap*** (Chasm Creek Room)

***And Haven't Been Afraid to Ask**
Moderator – Eric Hecox, Colorado Water Conservation Board

History of the Municipal and Industrial Water Supply Gap
Nicole Rowan, CDM

Current Efforts to Recalculate the Gap
Eric Hecox, Colorado Water Conservation Board

Open Discussion

Session 1E **Water Science: Ground Water Research Update** (Mesa Verde Room)

Moderator – Reagan Waskom, Director, Colorado Water Institute

The Groundwater-Land Surface-Atmosphere Connection
Professor Reed Maxwell, Colorado School of Mines

Aquifer Water Quality During Carbon Sequestration
Professor John McCray & Dr. Alexis Stichler, Colorado School of Mines

Groundwater Quality and Vulnerability in the Eagle River Watershed Valley-Fill Aquifer
Michael G. Rupert and L. Neil Plummer, U.S. Geological Survey

12:00 pm **LUNCHEON & FEATURE PRESENTATION** (Grand Mesa Ballroom)

Cowboy Ethics: Getting America Back on Track

A multi-media presentation

Jim Owen, author and founder of The Center for Cowboy Ethics and Leadership

2:00 pm **CONCURRENT SESSIONS II**

Session 2A **Innovations in Project Construction** (Grand Mesa Room A)

Long Hollow Dam and Reservoir – A Storage Project to Benefit Colorado

Stephen G. Brown, GEI Consultants, Inc.

Water Saving Basins for the Panama Canal

Rich Tocher, TetraTech

Energy Efficiency Gains for Pumps: Coating Pumps to add Energy and Output Gains with Extended Lifespan

Eric Oakes, Colorado Belzona

Regional Construction Methods and Design-Build Benefits

Kyle Vanderberg, Mays Construction Specialties

Session 2B **Assessment and Modeling** (Grand Mesa Room B)

Watershed Assessment Methodology for Zebra Mussel Infestation

Dr. Philip Brandhuber, HDR

A New, Dynamic Internet-based Reservoir Water Management Tool

James Kunkel, Knight-Piesold

IT Solutions for Operations/Water Delivery and Revenue Management

Scott Davis/Kent Johnson, TruePoint Solutions

Drought Vulnerability Assessment for Colorado Using Geospatial Technology

Graeme Aggett, AMEC

Session 2C **CWCB/SEO Forum** (Grand Mesa Room C)

An Open Dialogue with the State Water Agency Leadership

Jennifer Gimbel, Director, Colorado Water Conservation Board

Dick Wolfe, Colorado State Engineer

Session 2D **Colorado River Water Availability Study** (Chasm Creek Room)

Moderator – Ray Alvarado, Colorado Water Conservation Board

Colorado River Water Availability Report Presentations

Blaine Dwyer, AECOM Water

Ben Harding, AMEC

Erin Wilson, Leonard Rice Engineers

How Will the Results of the Water Availability Study Be Used?

Panel Discussion

Jennifer Gimbel, Colorado Water Conservation Board

Eric Kuhn, Colorado River Water Conservation District

Eric Wilkinson, Northern Water

Session 2E **Water Science: Climate and Hydrology** (Mesa Verde Room)
*Moderator – Michael Lewis, Associate Director for Data Programs
U.S. Geological Survey Colorado Water Science Center*

National Integrated Drought Information System: Upper Colorado Drought Pilot studies
Jim Verdin, U.S. Geological Survey

Hydrologic Modeling for the Upper Cache La Poudre Basin
Stephanie Kampf, Colorado State University

Biofuels in the South Platte: Economic Futures and Current Realities
James Pritchett, Colorado State University

3:30 pm **BREAK**

4:00 pm **GENERAL SESSION II** (Grand Mesa Ballroom)

Water and the Colorado Economy
The Front Range Water Council - Tom Billings, Summit Economics
Panel Discussion with:
Greg Fisher, Denver Water
Mark Pifher, Aurora Water
Bruce McCormick, Colorado Springs Utilities
Paul Rochette, Summit Economics

5:00 pm **RECEPTION** (Centennial Room)

FRIDAY, JANUARY 29

7:00 am **CWC ANNUAL MEMBERSHIP/ BUSINESS BREAKFAST & PROGRAM**
(Grand Mesa Ballroom)

The Power of Partnerships in Providing Safe Drinking Water
Dick Kuchenrither, Water for People

8:30 am **BREAK**

8:30 am **Colorado Water Congress Board Meeting** (Grand Mesa Ballroom)

9:00 am **GENERAL SESSION III** (Grand Mesa Ballroom)

At The Federal Level
Hosted by the Colorado Water Congress Federal Affairs Committee

- **Federal Legislation of Interest to the Colorado Water Community**
- **Special Presentation on the Clean Water Restoration Act**
*Mark Pifher, Director of Utilities
Aurora Water*
- **A Perspective on Working with the Bureau of Reclamation**
*Robert Johnson, Senior Consultant, Water Consult and HDR Engineering,
and former Commissioner, U.S. Bureau of Reclamation*
- **Plain Talk on Federal Water Quality Regulation**
*John Hall, Attorney at Law
Hall and Associates, Washington, D.C.*

10:15 am **BREAK**

10:45 am **CONCURRENT SESSIONS III**

Session 3A **Birds, Farms and Cities** (Grand Mesa Room A)
Moderator: Joe Frank

Strategies for Success: A Dynamic Partnership in Alternative Agricultural Transfer Methods & Practical Guidance for Alternative Water Transfers – Field Report

*Don Ament and Matt Lindburg, Brown and Caldwell
Greg Kernohan, Ducks Unlimited
Mark Sponsler, Colorado Corn
Lisa Darling, Aurora Water*

Session 3B **Mixing Oil and Water** (Grand Mesa Room B)

Oil & Gas and Coal Bed Methane 101
Phil Loftin, BP America

Colorado Water Resources Division Permitting for Oil and Gas Wells
Kevin Rein, Colorado State Engineer's Office

Session 3C **Potpourri** (Grand Mesa Room C)

Platte River Recovery Implementation Program Water Plan Update and Look Ahead

Jerry Kenny and Beorn Courtney, Platte River Recovery Implementation Program Executive Director's Office

At Your Service: The Water Resources Archive
Patty Retig, Water Resources Archive at Colorado State University

1031 Exchanges of Water Rights
Kennen Cohen, Asset Preservation, Inc.

Session 3D **Climate Change Modeling and Tracking** (Chasm Creek Room)

Advancing the Capability of Colorado Spring Utilities to Incorporate Climate Change into Integrated Water Resource Planning

David Yates, University Corporation for Atmospheric Research

A Decision Support System for Climate Change Impact Analysis
Jay Day, Riverside Technology, Inc.

Colorado's Observed Climate Trends
Nolan Doesken, Colorado State Climatologist

Session 3E **Water Science: A Better Understanding of Consumptive Use** (Mesa Verde Room)
Moderator – Reagan Waskom, Director, Colorado Water Institute

Recent Trends in Dust Deposition to Mountain Snowpacks in Colorado: Influence on Snowmelt Timing

Dave Clow, U.S. Geological Survey

Evaluating Crop Coefficients Using Massive Weighing Lysimeters
Alan Andales, Colorado State University

Improving Evapo-Transpiration Calculations Using the Best Science
Tom Trout, USDA Agriculture Research Service

12:00 pm

ASPINALL AWARD LUNCHEON (Grand Mesa Ballroom)

Co-sponsored by the Colorado Water Resources and Power Development Authority

With Keynote Video Presentation by U. S. Secretary of the Interior Ken Salazar

- **Recognition of Dan Law**

Mike Brod, Colorado Water Resources and Power Development Authority

- **Recognition of Honorary Life Members and CWC President**

- **The Wayne N. Aspinall Legacy**

- **Presentation of 2010 Aspinall Water Leader of the Year Award**

Tillie Bishop, 2009 Aspinall Award Recipient

POST-CONVENTION MEETINGS

1:30 pm

CFWE Board Meeting (Mesa Verde Room B)

2:00 pm

CWRPDA Board Meeting (Wind River Room)