

## TRANSFORMATIONAL SOLUTIONS FOR WATER IN THE WEST

September 5, 2013

Sandia National Laboratories  
Albuquerque, New Mexico

IN COLLABORATION WITH THE NEW MEXICO WATER RESOURCES RESEARCH INSTITUTE

### *Program*

7:00 - 8:30 a.m. **Badges, Poster Mounting, and Continental Breakfast**

8:30 - 9:00 a.m. **Welcoming Remarks**

John Lyman, *Director, Energy and Environment Program*, Atlantic Council

Howard Passell, *Principal Member, Technical Staff*, Sandia National Laboratories

Moderators:

Rob Leland, *Director, Computing Research Center & Director, Climate Security Program*  
Sandia National Laboratories

Marianne Walck, *Director, Geosciences, Climate and Consequence Effects Center & Deputy  
Director, Climate Security Program*, Sandia National Laboratories

9:00 - 12:45 p.m. **Session I: Transformational Solutions**

#### **Urban Solutions**

Paradigm Shift: Rethinking Water Supplies in an Age of Scarcity  
John Entsminger, *Senior Deputy General Manager*, Southern Nevada Water Authority

The Role of Potable Reuse as a Sustainable Water Supply Alternative  
Jeff Mosher, *Executive Director*, National Water Research Institute

Integrated Water Management Strategies for the City of El Paso, Texas  
Hector Gonzalez, *Government Affairs Manager*, El Paso Water Utilities

Water Conservation in Albuquerque/Bernalillo County  
John Stomp, *Chief Operating Officer*, Albuquerque/Bernalillo County Water Utility  
Authority

#### **Governance Solutions**

The Train Wreck that Didn't Happen, and You Never Heard About: The Anatomy of a  
Shortage Sharing Agreement on the San Juan River  
John Leeper, Navajo Nation

Resilience in Water Governance: Building Adaptive Capacity within Socio-ecological  
Systems Facing Climate Change  
Melinda Benson, *Assistant Professor, Department of Geology and Environmental Studies*,  
University of New Mexico

Challenges, Constraints and Opportunities Associated with the Development of a  
Watershed-Based Stormwater Permit in the Middle Rio Grande, New Mexico  
Molly Blumhoefer, *Geography Instructor, School of Math, Science and Engineering*, Central  
New Mexico Community College

Sustainable Water Management Profile  
Mike Myatt, *Program Associate*, California Water Foundation

The Traveler's Dilemma: Logic and Illogic in New Mexico's Water Laws  
Max Yeh

- 12:45 - 1:30 p.m. **Lunch and Poster Session**
- 1:30 - 2:00 p.m. **Keynote Speaker: Senator Tom Udall**
- Introduction:  
Paul Hommert, *Director*, Sandia National Laboratories
- 2:00 - 3:00 p.m. **Session II: Transforming New Ideas into Policy: Challenges and Opportunities**
- Strong Medicine: Considering a Greater Federal Role in Water Management  
Reed Benson, *Chair, Natural Resources Committee*, University of New Mexico Law School
- Where Will the Water Come From? Review of Water Availability in the West  
Vincent Tidwell, *Distinguished Member, Technical Staff*, Sandia National Laboratories
- Responding to Projected Water Resource Scarcity in the Upper Rio Grande Basin  
Jesse Roach, *Hydrologist, Earth Systems Analysis*, Sandia National Laboratories
- Moderator:  
Senator Tom Udall
- 3:00 - 4:00 p.m. **Session III: Transformational Solutions (Continued)**
- Transformational Management of Forest Ecosystems to Improve Water Availability and Ecological Resilience in the West  
Michael Hightower, *Distinguished Member, Technical Staff*, Sandia National Laboratories
- Dietary Change for Water Savings  
Marissa Reno, *Senior Member, Technical Staff*, Sandia National Laboratories
- The Role of Research in Developing and Implementing Transformational Solutions for Water Sustainability  
Arnim Wiek, *Associate Professor, Decision Center for a Desert City*, Arizona State University
- 4:00 - 4:45 p.m. **Session IV: Summary Discussion/Next Steps**
- 4:45 p.m. **Closing Remarks**

If you have any questions regarding the conference, or would like to RSVP, please contact [energy@acus.org](mailto:energy@acus.org) or (202) 701-7727.