

Revised Agenda

May 15-16, 2012

Hilton Garden Inn, 700 Lindsay Blvd, Idaho Falls, ID

May 15, 2012

Time	Topic
7:30-5:30	Registration/Check-In
7:30	Continental Breakfast
8:30 – 9:30	Opening Session (Rich Rankin, Moderator) <ul style="list-style-type: none"> • Welcome – <i>Steve Aumeier, Associate Laboratory Director for Energy & Environment, Idaho National Laboratory</i> • MWWI Overview – <i>Rich Rankin, MWWI Program Director, Idaho National Laboratory</i>
9:30 – 12:00	Technical Session 1 – Future Availability of Water (Duncan Patten, Moderator) <ol style="list-style-type: none"> 1. Water Availability in the West: Will We Power Our iPads but Not Have a Drop of Water to Drink? – <i>Gerald Sehlke, Idaho National Laboratory</i> 2. Mapping Gridded Drought Index to Mitigate Drought Impacts on the Mountain West – <i>Jae Ryu, University of Idaho</i> 3. Regional-Scale Integrated Modeling to Inform Land and Water Management Decisions in an Altered Climate: Current Developments – <i>Jennifer Adam, Washington State University</i> 4. Interactive Reservoir River Information Systems (IRIS) Display: Snake River System – <i>Lyle Swank, Idaho Department of Water Resources</i> 5. Sensitivity of Northern Rockies Glaciers to Climate Change – <i>Mitch Plummer, Idaho National Laboratory</i>
12:00 – 1:30	Lunch (Provided) – Meeting the Challenges of Increasing Water Demands – The Idaho Experience <i>David Tuthill, Founder, Idaho Water Engineering</i>
1:30 – 4:30	Technical Session 2 – Energy-Water and Other Water Issues (Mac McKee Moderator) <ol style="list-style-type: none"> 1. Fire, Wind, and Water: Landscape Change and Its Relationship to Development – <i>Matt Germino, U.S. Geological Survey</i> 2. Water the Bakken: Energy Development and Water Resources in Eastern Montana – <i>Jon Reiten, Montana Bureau of Mines and Geology</i> 3. The Water Use Date Exchange – <i>Dwane Young, WestFAST</i> 4. Landscape Conservation Cooperatives, A Science-Resource Management Partnership – <i>Jonne Hower, Bureau of Reclamation</i> 5. Navigating through the Cooperative Ecosystem Study Unit (CESU) Network – <i>Lee Koss, Hydrologist, Bureau of Land Management</i> 6. Microbial Degradation of Pharmaceutical Compounds in Municipal Wastewater Effluent – <i>Kara Cafferty, Idaho National Laboratory</i> 7. Water Reuse: Current Drivers and Future Directions (via Web) – <i>Audrey Levine, Battelle Memorial Institute</i>
4:30-5:30	Poster Session – Hosted Reception <ul style="list-style-type: none"> • Dynamic Simulation of Water and Energy Interdependencies for Integrated Resource Planning – <i>Bobby Jeffers, Idaho National Laboratory</i> • Land-Atmospheric Interactions in the Pacific Northwest – <i>Venkat Sridhar, Boise</i>

	<p><i>State University</i></p> <ul style="list-style-type: none"> • LIDAR Applications for Water Resources – <i>Randy Lee, Idaho National Laboratory</i> • Near Field Impacts of In-Situ Oil Shale Development on Water Quality – <i>Earl Mattson, Idaho National Laboratory</i> • A Parallel Algorithm for Removing Spurious Pits from Terrain Data by Carving – <i>John Koudelka, Idaho National Laboratory</i> • Sustainability and Energy Development: Influences of GHG Emission Reduction Options on Water Use in Energy Production – <i>Craig Cooper, Idaho National Laboratory</i> • Switchable Polarity Solvents as Draw Solutes for Forward Osmosis – <i>Aaron Wilson, Idaho National Laboratory</i> • Unlocking a Secure Supply of Clean Energy – <i>Tom Wood, Idaho National Laboratory</i> • Water Needs for Hydrofracing the Bakken Formation in Eastern Montana: Data Collection and Model Development – <i>Tom Wood, Idaho National Laboratory</i>
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May 16, 2012

Time	Topic
7:00 – 10:30	Registration/Check-In
7:00	Continental Breakfast
7:00 – 8:00	Board of Advisors Meeting (By Invitation)
8:00 – 10:30	<p>Federal Session (Phil Wheatley, Moderator)</p> <ul style="list-style-type: none"> • Overview of the Safe and Sustainable Water Resources Research Program (via Web) – <i>Chuck Noss, Senior Science Advisor for Safe and Sustainable Water Resources, U.S. Environmental Protection Agency</i> • USGS Water Science: Climate, Energy, and Water Availability – <i>Jerad Bales, Acting Associate Director for Water, U.S. Geological Survey</i> • Watershed Management in Yellowstone National Park – <i>Dave Hallac, Chief, Yellowstone Center for Resources, Yellowstone National Park</i> • An Overview of the Center for Advanced Energy Studies: Research and Water/Geologic Fluids – <i>Bill Rogers, Director, Center for Advanced Energy Studies</i> • The Forest Service Watershed Condition Framework – <i>Greg Bevenger, Regional Hydrologist, USDA Forest Service</i>
10:30 – 12:00	<p>Concluding Session</p> <ul style="list-style-type: none"> • Water Needs and Strategies for a Sustainable Future: Managing Uncertainty – <i>Tony Willardson, Executive Director, Western States Water Council</i> • Closing Message – <i>Rich Rankin, Idaho National Laboratory</i>
12:00	Lunch (On Your Own)
12:15 – 3:00	<p>Tours (Box Lunch Provided) – (Drew Thomas and Reuel Smith, Coordinators)</p> <ul style="list-style-type: none"> • 3D Visualization Laboratory (Randy Lee, Host) • Water-Energy Scenario Testing (Bobbie Jeffers, Host) • Produced Water Cleanup (Fred Stewart, Host) • Oil Shale Development/Water Impacts (Carl Palmer and Earl Mattson, Hosts)
3:00	Workshop Adjourns

