

Announcement

Water – Energy Workshop

August 20, 2014, Baltimore, Maryland

Goal: Gather Stakeholder Input to Future Water R&D

The U.S. Department of Energy National Energy Technology Laboratory's (NETL) Crosscutting Research Program is seeking input from stakeholders on key areas for new water-energy research initiatives planned for the next several years. Water is a vital resource that is inextricably linked to energy based on need and use. The interconnectivity of water and energy is well documented including their relationships for different technologies. The motivation for NETL's program centers on developing technologies for reducing water use for thermoelectric power generation. Thermoelectric power generation accounts for over 40% of freshwater withdrawals (143 billion gallons of water per day) and over 3% of freshwater consumption (4 billion gallons per day) in the United States. Thermoelectric power plant water consumption is slated to increase from 3% (1995 USGS data) to as high as 10% given the expansion of closed loop cooling using cooling towers and projections for water consumption will continue to increase with the implementation of carbon capture technologies. As consumption increases so too will the cost of water treatment, recovery and reuse.

This half-day workshop is being conducted in conjunction with the **MEGA Symposium** at the **Baltimore Marriott Waterfront** in Baltimore, Maryland on Wednesday, **August 20, 2014** from **1:00 to 5:00 pm**. The symposium, co-sponsored by **NETL**, **EPA** and **EPRI**, is power industry's seminal conference for pollution control technologies. Conducting the workshop at this forum is an excellent opportunity to bring together knowledgeable stakeholders to provide insight into critical areas where future research can deliver technology based solutions to reducing and conserving water use for thermal electric power generation. The workshop will include multiple facilitated breakout **brain storming sessions** to identify areas for future research. Participation in the Workshop is independent of the MEGA Symposium; however, participants are encouraged to attend technical sessions covering water topics that will be presented at the Symposium on Thursday, August 21. Details are provided on the MEGA Webpage. The Air and Waste Management Association (AWMA) is the conference coordinator for both events.

Contact: A link to the meeting information is at <http://www.netl.doe.gov/events>

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The Event will be OPEN to the Public

Registration: Participants can register for the workshop on the MEGA Symposium's website at <http://www.megasymposium.org/>

