Slide 1

Water – Energy Workshop
Water Management for Fossil Energy Systems
WELCOME!

Regis Conrad
U.S. Department of Energy/National Energy Technology Laboratory

NETL

Power Plant Pollutant Control "MEGA" Symposium
August 19-21, 2014
Baltimore, MD

U.S. DEPARTMENT OF ENERGY | National Energy Technology Laboratory

Slide 2

Welcome to the 2014 NETL Water-Energy Workshop

- Our Goal:

Develop stakeholder input providing guidance input to NETL R&D Planning

- Stakeholders
  - Utility Industry
  - Vendor Community
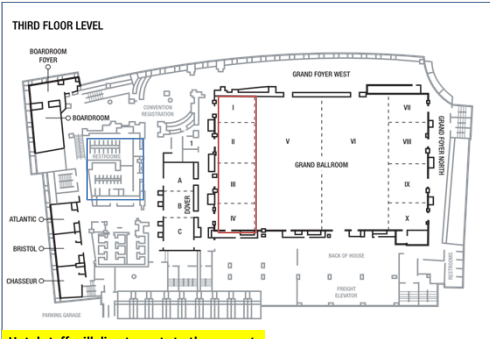 - Academia
  - Government

Slide 3

Joint Session with MEGA

Power Plant Pollutant Control "MEGA" Symposium
August 19-21, 2014
Baltimore, MD

- MEGA is the leading conference for Pollution Control
- Supported by Industry Professionals
- Co-Sponsored by EPRI / EPA / NETL / AWMA
- Feedback Desired – Should we be back in 2-years? Just provide your impressions to the Facilitators in your session.

Slide 4

Marriott Hotel Info

THIRD FLOOR LEVEL

Hotel staff will direct guests to the nearest safe exit in case of emergency evacuation.

Slide 5

Agenda

Start Time	Description
1:00	**Welcome** Regis K. Conrad, Director Advanced Energy Systems, DOE Office of Fossil Energy
1:05	**DOE Water-Energy Nexus Overview** Robie E. Lewis, Crosscutting Research Program Manager, DOE Office of Fossil Energy
1:15	**Current Activities in Water Management Research and Development** Susan M. Maley, Technology Manager, Crosscutting Research Program, DOE NETL
1:25	**Water Technology Gaps in the Electric Power Industry** Keynote Speakers: Steve M. Wilson P.E., General Manager, Research and Development, Southern Company and Jeff L. Wilson, Environmental R&D Manager, Southern Company
1:50	**Instructions for Breakout Session**
2:00	**Break**
	Brain Storming Breakout Sessions (1) Cooling Systems (Wet and Dry): Incremental and Step Change Improvements (2) Water Treatment and Reuse: Economic Pathways for Zero Liquid Discharge (3) Process Efficiency and Heat Utilization: Pathways to produce more power per unit of water withdrawn, consumed, and treated (4) Data, Modeling and Analysis: Tools to enable regional and plant level decision making .
2:15	(5) Other?
4:00	**Break**
4:20	**Summary of Sessions**
5:00	**Adjourn**