

## Water Management Program Workshop

Location: NETL-PGH 922/106 A&B

November 30, 2016 / 9 a.m. – 4 p.m.

### Agenda

- 9:00 a.m. – Opening remarks (Bob Romanosky, Crosscutting Research Program, NETL)
- 9:15 a.m. – Keynote (Robie Lewis, Crosscutting Research Program, DOE HQ)
- 9:45 a.m. – Energy Water Nexus Cross Cut (Zach Clement, Energy Policy and Systems Analysis, DOE HQ)
- 10:15 a.m. – Break
- 10:30 a.m. – Overview of briny treatments
  - 10:30 a.m. – Overview of NETL-funded projects: external and internal (Jessica Mullen, Enabling Technologies & Partnerships, NETL)
  - 10:45 a.m. – Overview of BEST Phase II projects (Andrea McNemar, Carbon Storage, NETL)
  - Discussion (Moderator: Jessica Mullen)
- 12:00 p.m. – Break for lunch
- 12:45 p.m. – Improvements in power plants (Barb Carney, Enabling Technologies & Partnerships, NETL)
  - Topics: Cooling towers, advanced heat exchangers, “what do we need?”
  - Sensors for water management and materials for increased heat exchanger efficiency
  - Discussion (Moderator: Barb Carney)
- 2:00 p.m. – Break
- 2:15 p.m. – Cleaning up power plant effluent waste streams (Paul Ziemkiewicz, WV Water Research Institute, West Virginia University)
  - Current standard, characterization of streams, “what do we need?”
  - Discussion (Moderator: Paul Ziemkiewicz)
- 3:15 p.m. – Data modeling and analysis (Erik Shuster, Energy Markets Analysis Team, NETL)
  - Overview of externally and internally projects, what our plan is moving forward, etc.
  - Discussion (Moderator: Erik Shuster)
- 3:55 p.m. – Closing remarks (Bob Romanosky, Crosscutting Research Program, NETL)
- 4:00 p.m. – Adjourn