

22nd Annual Southwest Florida Water Resources Conference

Royal Palm Yacht Club, Ft. Myers

January 25, 2013

TECHNICAL PROGRAM

8:30 – 8:35 **Opening remarks** by Ron Edenfield, Conference Chair

8:35 – 9:10 **The Water-Energy Nexus: Federal Approach to Manage Energy and Water Tradeoffs**
Frank Rusco, U.S. General Accounting Office, Washington, D.C.

9:10 – 10:15 **Session A. Energy & Life Cycle Assessment for Water Management Systems**

Session Chair: Ed Hanlon (University of Florida)

1. The Emerging Discipline of Emergy Analysis for Water Management (Mark Brown, Univ of FL)
2. Emergy Analysis of Sugarcane Water Management (Nana Amponsah, Intelligentsia Int'l)
3. Life Cycle Assessment for Florida Biofuels Systems (Jose Izursa, Intelligentsia Int'l)

10:15 – 11:20 **Session B. Visit the Research Posters.** Sponsored by:

Session Chair: Kristoph-Dietrich Kinzli (Florida Gulf Coast University)

10:25 – 11:30 **Session C. Water and Energy Demands**

Session Chair: John Capece (Intelligentsia International)

1. Energy and Water in Context: A Business Perspective (Seth Sheldon, Energy Points)
2. Urban Water Infrastructure & Energy Challenges (James Goodrich, US Environmental Protection Agency)
3. Energy's Water Demand Trends (Nicole Carter, Congressional Research Service)

11:30 – 12:35 **Session D. Water Use in Energy Systems**

Session Chair: Karen Bickford (Lee County Natural Resources)

1. Solutions to Meet a Growing Demand (Casey Brown, University of Massachusetts)
2. Water Use in the Lee County Algenol Bioethanol Project (Ronald Chance, Algenol)

12:35 – 1:45 **Session E. Lunch (Student-Professional Lunch Pairing)**

Session Chair: Andy Tilton (Johnson Engineering)

1:45 – 2:50 **Session F. Water Use and Management in Fracking**

Session Chair: Sabrina Lartz (Passarella & Associates)

1. Pro's and Con's of Fracking (Christopher Brown, University of North Florida)
2. Recycling of Hydrofracking Water (David Yoxheimer, Pennsylvania State University)
3. Water Management Challenges of Hydraulic Fracturing (Radisav Vidic, Univ of Pittsburgh)

2:50 – 3:15 **Networking Break.** Sponsored by:

3:15 – 4:30 **Panel Discussion.** Moderator: Ron Edenfield

1. Frank Rusco, U.S. General Accounting Office
2. James Goodrich, U.S. Environmental Protection Agency
3. Nicole Carter, Congressional Research Service
4. Christopher Brown, University of North Florida
5. Casey Brown, University of Massachusetts

4:30 – 5:30 **Attitude Adjustment Networking.** Sponsored by:

Cash bar and complimentary hors d'ourves.