

Southwest Florida Water Resources Conference

A History of Evolving Issues and Priorities

Southwest Florida Water Resources Conference
March 15-16, 1991

Speakers and Topics

Nilo Priede Camp Dresser & McKee Inc.
"A Statewide Perspective on Surface Water Utilities"

Mike Slayton South Florida Water Management District
"Capital Improvements in the Big Cypress Basin"

John Boldt Collier County
"Surface Water Master Plan & Financing Strategy for Collier County"

Jon Straiger City of Naples
"Surface Water Management Plan for Naples Bay"

Bruce Wirth South Florida Water Management District
"SWFWM Compliance Program & New Agricultural Water Use Rule"

Eric Livingston Florida Department of Environmental Regulation
"Statewide Perspective on Surface Water Including New NPDES and FDER Regulations"

Roland Ottolini Lee County
"Surface Water Management Master Plan for Lee County"

Roger Clark Lee County
"Six Mile Cypress Slough Environmental Restoration Project"

9th Annual Southwest Florida Water Resources Conference
November 18-20, 1999
PROGRAM AGENDA

Thursday, November 18th, 1999
11:30-12:45 **Registration**
12:45-1:00 **Introduction and Opening Remarks**
1:00-1:45 **Contributions of Durward Bogess**
1:45-3:15 **Geology of Southwest Florida**
The Surficial Geology of Lee County and the Caloosahatchee Basin
Late Paleogene and Neogene Chronostratigraphy of Lee County, Florida
Hydrogeology of Lee County
3:30-5:00 **Groundwater Quality**
Hydrogeologic Implications of Uranium Rich Phosphate
Distribution of a Carbonate Ramp and Bounding Siliciclastics

Friday, November 19th, 1999
7:30-8:30 **Registration**
8:30-8:45 **Introductions & Welcoming Remarks**
8:45-10:30 **Geology & Surface Water Quality**
The Lee County Abandoned Well Program
Surface Water Management in Lee County
10:45-12:00 **Surface & Ground Water Interactions**
Water Level Elevation Maps of Primary Aquifers in Lower Southwest Florida
Caloosahatchee Basin Integrated Surface Water Ground Water Model
12:00-1:00 **Luncheon with Speaker TBA**
1:00-2:00 **Water Resources Issues**
Hydrogeology of the Lower Florida Aquifer "Boulder Zone"
Sarasota Meadow Hours: Dissolved-Oxygen Recordings
2:00-3:00 **Technical Alternatives**
3:00-5:00 **Effective Solutions (Panel Discussion)**
5:00-6:00 **Social hour at Royal Palm Yacht Club**
7:00-8:30 **Dinner Banquet at Holiday Inn SunSpree**
8:30- **Entertainment**

Saturday, November 20th, 1999
10:30-1:30 **Field Trip - Babcock Wilderness Experience, Buggy Ride and Luncheon**

12th Annual Southwest Florida Water Resources Conference
November 15, 2002, Royal Palm Yacht Club, Fort Myers

Alternative Water Resources: Technologies, Realities & Policies

AGENDA

8:30 - 9:00 a.m. Registration
9:00 - 9:20 a.m. Welcome

Session I - Reverse Osmosis: Making More from Less - Operational Issues
9:20 - 9:40 a.m. 20 Years of R.O. Experience: The Island Water Association
9:40 - 10:00 a.m. City of Fort Myers R.O. Plant
10:00 - 10:20 a.m. Collier County R.O. Experience: Two Facilities

10:20 - 10:40 a.m. **Break**

Session II - ASR & Reuse: Store It, Use It or Lose It - Application Issues
10:40 - 11:00 a.m. Treated Water ASR: The Manatee Road Facility, Collier County
11:00 - 11:20 a.m. Surface Water ASR: Florida Water, Collier County
11:20 - 11:40 a.m. Reuse in Collier County: Public/Private Partnerships
11:40 - 12:00 noon Reuse in the Private Sector: Bonita Bay, Lee County

12:00 - 1:30 p.m. **Lunch - Keynote Speaker Introduction by Trudi K. Williams**
Keynote Speaker: Henry Dean, Executive Director of SFWMD

Session III - Conservation Alternatives: Growing More with Less
1:30 - 1:50 p.m. Agricultural Water Conservation Plan, 6 L's, Collier County
1:50 - 2:10 p.m. Water Conservation for Golf Courses
2:10 - 2:30 p.m. Integrated Water Resources Management: The City of Cape Coral Example

2:30 - 2:50 p.m. **Afternoon Break**

Session IV - Management Implications
2:50 - 4:30 p.m. Panel Discussion - Alternative Water Supplies: Technologies, Realities and Policies, Title or Title?

Dallas Townsend Director IV, Hendry County Extension Service
David Graham V.P. for Planning & Development, Bonita Bay Group
Win Everham, Ph.D. Chair of Ecological Studies, Florida Gulf Coast University
Dave Burr Exec. Director, Southwest Florida Regional Planning Council
Abdul Ahmadi, PE, Ph.D. Director Water Facilities Program, FDEP South District

4:30 - 6:00 p.m. Social Networking Session - Royal Palm Yacht Club Patio
7:30 - 10:30 p.m. Dinner and Dance Cruise along the Caloosahatchee aboard the Capt. J.P. AWR Section Board Meeting will be held from 10:00 to noon at the RPYC

15th Annual Southwest Florida Water Resources Conference
November 18th, 2005
Water Quality in the Caloosahatchee Basin
You and Your Water

Agenda

11:45 - 1:00 Luncheon Speaker - Trudi Williams

1:15 - 1:45 Operational Aspects of the Big O and C-43 - Bob Howard, SFWMD

2:00 - 3:30 Panel Discussion on User Perspectives - Win Everham, moderator

Panel:
Hugh English, former SFWMD Governing Board Member
Roland Ottolini, Lee County Division of Natural Resources
Jennifer Heckler, Conservancy of Southwest Florida
Captain Pete Quasius, Coastal Conservation Assoc., President

3:30 - 3:45 Break

3:45 - 5:00 Panel Discussion on Potential Solutions - Carla Palmer, moderator

Panel:
Beverly Grady, Rortzel & Andres Law Firm
Rick Danzler, former State Senator
Mitch Hutchcraft, The Bonita Bay Group
Chip Merriam, South Florida Water Management District

5:00 - 6:30 Social Hour

19th Annual Southwest Florida Water Resources Conference
"Sustainability through an Economic Downturn"
November 20, 2009
Royal Palm Yacht Club, Fort Myers FL
Agenda

Registration 8:00 - 9:00
Welcome 9:00 - 10:15 Water legislation, regulations, and agency activities

Session A 9:00 - 10:15
Trudi Williams, Florida State Representative, 7th District
Updates on Florida Water Resource Legislation
South Carolina: Vice President, Camp Dresser & McKee Inc.
Florida's Newest Natural Resource Policy Manager, Conservancy of Southwest Florida
Jennifer Heckler, Natural Resource Policy Manager, Conservancy of Southwest Florida
Protecting the Quality of Our Water Resources

Coffee Break 10:15 - 10:30 AM

Session B 10:30 - 12:35 Water supply and water quality: trends and activities in Southwest Florida
Dennis Vasey, Supervisor, Seat 3, Collier Soil and Water Conservation District
Howard Weggs, Administration Staff Engineer, Lee County Utilities
Karen Blackford, TMDL Coordinator, Lee County Natural Resources
Lee County Sanitary District
Paul Matkovich, Director, Collier County's Water Department
Impact of Drought Restrictions on Rates and Future Water Supply Planning
Thomas Messner, Vice President, Schumberger Water Services
Water Resources Planning in South Florida during a Difficult Economy: No Time for Unreasonable Projects and Unfunded Mandates

Lunch 12:35 - 1:45 PM

Keynote Speaker: Dr. Jerry Jackson, Professor of Ecology, Florida Gulf Coast University
"Less Tolerant, Connected, and Environmentally Dependent in a Changing Economy"

Session C 1:45 - 3:30 Ecosystem restoration and management in southwest Florida
Michael Duver, Senior Environmental Scientist, South Florida Water Management District
Long-Term Sustainability of Inland Wetland Communities in Southwest Florida
Ann Macko, Technical Lead for ASR Projects in Jacksonville District, US Army Corps of Engineers
Ecosystems in a Drought-Prone World: Opportunities and Challenges
Tom Trefts, Policy and Coordination Department Director, South Florida Water Management District
Ed Hanlon, University of Florida/Southwest Florida Watershed Council
Transforming Agricultural Water Management to Support of Ecosystem Restoration

Coffee Break 3:30 - 3:45 PM

Session D 3:45 - 4:45 **Panel discussion Sustainability in an Economic Downturn**
Andrew McWhorter, President, Conservancy of Southwest Florida
Thomas Messner, Vice President, Schumberger Water Services
Dennis Gilkey, President, Gilkey Group

Attitude adjustment 4:45 - 6:00 PM no-host bar

7th Annual AWRA/Southwest Florida Water Resources Conference
Royal Palm Yacht Club, Ft. Myers
November 21, 1997

Registration (11:00-11:45)

Lunch (11:45-12:45)
Welcome: Bill Hammond (SFWMD Governing Board)
Master of Ceremonies: Ron Hamel (AWRA, Gulf Citrus Growers Assoc.)
Speaker: Judge Nelson Bailey (Palm Beach County Court)

Session A (1:00-3:00)
Moderator: Bill Hammond (SFWMD Governing Board)
River History: Rae Ann Scholtz

Constraints and Major Project Goals
Re-study Project: Stuart Appelbaum (U.S. Army Corps of Engineers)
Water Supply Plans: Jim Gross (SFWMD Planning Department)

Technical Aspects of the Resource
Estuary Research: Bob Chamberlain (SFWMD Ecosystem Restoration Dept.)
Watershed Research: Peter Doering (SFWMD Ecosystem Restoration Dept.)
Regional Modeling: Eric Flagg (SFWMD, UF-IFAS)
John Capece (UF-IFAS SWFRFC)
Richard Tomassello (Tomassello Consulting Engineers)

Break (3:00-3:30)

Session B (3:30-5:30) **Moderator:** Christopher Pearce (Fl. Assoc. of Environ. Professionals)

Resource Use Interests
Wildlife: Rob Loflin (City of Sanibel Natural Resources)
Tourism & Recreation: Roger Clark (Lee County Parks & Recreation Dept.)
Agricultural Industries: Dallas Townsend (UF-IFAS Hendry Co. Ext. Office)
Municipal Water Use: Thomas Missimer (Missimer International, Inc.)

Wrap-up
SFWMD Planning: Dick Dawdy (SFWMD Planning Department)
Dan Huestert (SFWMD Planning Department)
Panel Moderator: Win Everham (Florida Gulf Coast University)
Agriculture: Hugh English (A. Dada & Sons, Inc.)
Estuary: Dan Clark (City of Sanibel Natural Resources)
Urban: Samy Faried (Lee Co. Regional Water Supply Auth.)
Management: Chip Merriam (SFWMD, Ft. Myers Service Center)
Governance: Rep. Joe Spunt (Florida House of Representatives)

Happy Hour (5:30 until...) at the Yacht Club

River Cruise/Dinner (7:30-10:30) The Capt. J.P. River Boat begins boarding at 7:00 PM and departs at 7:30 PM. You must have your ticket to board the boat.

10th ANNUAL Southwest Florida Water Resources Conference
Friday, December 1st, 2000
LAND AND WATER USE FOR THE NEW MILLENNIUM
AGENDA

Conference speakers will address questions of critical linkages between land use patterns and regional water resources. What challenges are urban sprawl imposing on water supply planning? And what about agriculture...will future water quality regulations prove more limiting than irrigation water availability? Will publicly-financed acquisitions of rill lands continue to increase or will mitigation banks evolve to become more significant preservation tool? Are current water quality standards being met and how difficult will be our transition to more stringent standards? And finally, are our educational institutions preparing our citizenry to meet these formidable challenges?

Friday, December 1st, 2000
12:00-1:00 **Registration**

1:00-1:20 **Opening Remarks**
Samy Faried
Lee County Regional Water Supply Authority

1:20-1:40 **Planning for Water**
Wayne Daltry
Southwest Florida Regional Planning Council

1:40-2:00 **Land Acquisition**
Heather Stafford
Florida Department of Environmental Protection

2:20-2:40 **Mitigation Banks**
Dick Anderson
Mariner Properties Development, Inc.

2:40-3:00 **Break**

3:00-3:20 **Agricultural Use**
John Capece
Southern DataStream, Inc.

3:20-3:40 **Surface Water**
John Cassani
Lee County Water Hyacinth Control

3:40-4:00 **FGCU Programs**
Joseph Kakareka, Edwin Everham, Jerome Jackson
Florida Gulf Coast University

4:00-4:20 **Water Supply Update**
Dean Powell
South Florida Water Management District

4:20-5:20 **Social Hour**
Yacht Club Lounge

The 13th Annual Southwest Florida Water Resources Conference
Friday, November 21, 2003
8:00 am - 4:30 pm
Florida Gulf Coast University
Fort Myers, FL

AWRA
American Water Resources Association

"The Rising Tide: Emerging Coastal Issues"

Schedule

8:30 - 9:00 a.m. Registration / Breakfast
9:00 - 9:30 a.m. Welcome

9:30 - 11:30 a.m. Morning Sessions (with break)
• Sea Level History of the Florida Platform: Natural Cycles vs. Anthropogenic Affects - Tom Missimer, CDM
• Historical Sea Level Rise - Hal Wanless, University of Miami
• Impact of Sea Level Rise on Pre-Columbian Cultures in South Florida - Corbett Torrence, Florida Gulf Coast University
• Suwannee River Project - Jim Ladner, Florida Geological Survey

11:30 - 12:30 p.m. Lunch - Networking

1:00 - 3:00 p.m. Afternoon Sessions (with break)
• Recent Sea Level Changes in the Gulf of Mexico and Future Trends - Joe Donoghue, Florida State University
• Sea Level Rise and Water Resources in South Florida - Andy Tilton and Archie Grant, Johnson Engineering
• Implications of Sea Level Rise on Past and Future Ecology of Reef Systems in South Florida - Mike Savarese, Florida Gulf Coast University
• Impact of Sea Level Rise on Terrestrial Ecosystems in South Florida - Mike Douver, South Florida Water Management District
• Land Use Impacts and Solutions to Sea Rise in SW Florida - Dan Trescott, Southwest Florida Regional Planning Council

3:00 - 4:30 p.m. Panel Discussion: The Rising Tide: Where Will We Be? - Win Everham, FGCU with Panelists

4:30 - 6:00 p.m. Sunset Social Session - FGCU Patio

Conference updates and forms will be posted on www.caloosahatchee.org

16th Annual Southwest Florida Water Resources Conference
November 17, 2006
Coastal Eutrophication and Harmful Algal Blooms

8:30 a.m. Registration
9-10:30 a.m. **Session I - Coastal Eutrophication**
Joe King, FDEP
"A Temporal Overview of Estuarine Eutrophication and Why We Should be Concerned"
Dave Tomasko, PBS&J
"Dissolved Oxygen Dynamics in Charlotte Harbor and Peace River in Response to the 2005 Hurricane Season"
Randall Alberte, FGCU, and Eric Milbrandt, Sanibel Captiva Conservation Foundation
"Water Quality in the Caloosahatchee River and Estuary"

10:30-10:45 a.m. **Break**

10:45 a.m.-Noon **Session II - Harmful Algal Blooms**
Ken Huddell, US EPA
"Cyanobacterial Harmful Algal Blooms: State of the Science, Research Needs, and the Development of a National Research Plan"
Peter Barile, Marine Research & Consulting, Inc.
"Case Studies of Coastal Eutrophication in Florida: Harmful Macroalgal Blooms"
Welcome: President William Merwin, Ph.D., FGCU
Featured Speaker: Michael Grundwald, The Washington Post
"The Swamp: The Everglades, Florida, and the Politics of Paradise"

1:15-2:30 p.m. **Session III - Red Tide**
Larry Brand, UM Rosenstiel School of Marine & Atmospheric Science
"Florida's Red Tide Increasing?"
Kellie Dixon, Mote Marine Laboratories
"The Complexity of Nature and Red Tide"

2:30-2:45 a.m. **Break**

2:45-4 p.m. **Session IV - Politics of Nutrient Loading and HABs**
Panel Discussion - Moderator: Bill Hammond, FGCU
Randall Alberte, Florida Gulf Coast University
Peter Barile, Marine Research & Consulting, Inc.
Jennifer Heckler, Conservancy of Southwest Florida
Ken Huddell, US EPA
Roland Ottolini, Lee County Natural Resources

4-6 p.m. **Social Hour - Student Union 214**

20th Annual Southwest Florida Water Resources Conference: The Next Generation of Water Challenges
November 19, 2010
Royal Palm Yacht Club, Fort Myers Florida

Technical Program

8:30 AM **Registration**
Charles Dougan, member, Governing Board, South Florida Water Management District

8:40 - 10:10 AM **Welcome and water resources** **Session chair: Dan Duke**
Beverly Grady, Esq., Rostzel and Andres; Legal Protection for Environmental Systems
John Marshall, Arthur R. Marshall Foundation; Ecosystem Services of a Restored River of Grass
John Funnens, Rose, Sanderson & Bentley, LLP; Florida Water Law and Emerging Mega-Trends
John Cassani, Watershed Council; Problems and Prospects for Achieving Minimum Flows

10:10 - 10:40 AM **Networking Break and Vist Exhibitors**

10:45 - 11:55 AM **Flow management** **Session chair: Alicia Dixon**
Greg Tolley, FGCU; The Use of Zooplankton as Bioindicators for the Management of Freshwater Flow
Rae Ann Wessel, Sanibel-Captiva Conservation Foundation; Will Adaptive Management Provide Flow
Jennifer Heckler, Conservancy of Southwest Florida; The Saving the Caloosahatchee Campaign

12:00 - 1:00 **Luncheon keynote speaker**
Henry Dean, former Executive Director, SFWMD "How'd We Get Here Anyway?"

1:05 - 2:10 PM **Water quality and resource protection** **Session chair: Gillian Curney**
Darrin Rumbold, FGCU Dept of Marine and Ecological Sciences; Overview of the Independent Oil-related Research Funded through the Florida Institute of Oceanography
Peter Ormer, University of Miami; The MARES Process and Enabling Integrated Ecosystem Model Development on the Southwest Florida
Kristoph-Dietrich Kinzli, FGCU School of Engineering; Using an Acoustic Doppler Current Profiler to Determine Surface and Groundwater Interactions

2:10 - 2:25 PM **Networking Break**

2:25 - 3:55 PM **Water quality, continued: Focus on Numeric Nutrient Criteria (NNCs)**
Andrew Bartlett, Florida Department of Environmental Protection; Numeric Nutrient Criteria
Ruhmalingam and Seshadri
July Ont, Charlotte Harbor National Estuary Program; From Seagrasses to Numeric Nutrient Criteria: Charlotte Harbor National Estuary Program Water Quality Targets
Tony Janksi, Janksi Environmental, Inc.; Technical Approach for NNCs for Southwest Florida: Charlotte Harbor; Tampa Bay; Sarasota Bay
Roland Ottolini, Lee County Natural Resources; A Local Agency's Views: Challenges in Meeting In-Stream Numeric Criteria through the BMAJ and NNC Processes

3:55 - 4:10 PM **Networking Break and Poster Judging**

4:10 - 5:20 PM **Panel discussion** **Session chair: Ron Edenfield**
Henry Dean, Hugh English, Rick Barber:
"Wise Guys Looking Back, Looking Forward (No, Really, How Did We Get Here??)"

5:30 - 7:00 PM **Attitude adjustment**: no-host bar at Royal Palm Yacht Club

6:00 - 7:30: "Looking Forward: Next Steps" session
Conference wrap-up and discussion about problems facing water resources in coming years.

8th Annual Southwest Florida Water Resources Conference
Royal Palm Yacht Club, Fort Myers
November 13, 1998
Estuaries of Southwest Florida
A Study of Health, Value and Management

Registration (7:45)

Session A (8:20-9:20) Estuaries and Health
Waster water discharge
Harley Young, Florida Department of Environmental Protection

Heavy metal contamination in Estero Bay
Keith Kibbey, Lee County Environmental laboratory

Session B (9:20-10:20) Estuaries and the Economy

Ecotourism
Elaine McLaughlin, Lee County Tourist Bureau

Land acquisition around Estero Bay
Heather Stafford, Estero Bay Aquatic and State Buffer Preserves

BREAK

Session C (10:50-12:30) Managing Estuaries
Management issues related to harmful algal blooms
Beverley Roberts, Florida Department of Environmental Protection

Valued ecosystem component approach to managing estuaries
Ken Cummins, Tarpon Bay Laboratory

Ecosystem management (panel discussion)
Tiffany Lutterman - Charlotte Harbor National Estuary Program
Bruce Boler - Ecosystem Management Area, FI Dept of Environmental Protection
Bill Hammond - South Florida Water Management District
Win Everham - Estero Bay Agency on Bay Management

1:00-5:00 (boat tour)
Speakers: Bill Hammond (SFWMD)
Greg Tolley (FGCU)

11th Annual Southwest Florida Water Resources Conference
Water resources in a variable world - coping with hurricanes, floods, and droughts
November 16, 2001

8:30-9:00 Registration
9:00-9:15 Welcome - Joe Kakareka

Session I - Historical Context
9:15-9:45 *Climate Variability during the 20th Century* - Paul Trimble
9:45-10:15 *Sea Level Rise and its Impact on Coastal Environmental Evolution in Southwest Florida* - Mike Savarese, Lenore P. Tedesco, & Stephanie Ob
10:15-10:45 *Forecasting long-term weather trends* - Jim Clarke

10:45-11:00 **Break**

Session II - Ecology
11:00-11:20 *Shaping Ecosystems through Irregular Events, an introduction to Disturbance Ecology* - Win Everham
11:20-11:40 *Making Music in Florida's Estuaries: or, Knowing Noise When We Hear It* - Ernest D. Estevez

11:45-1:00 **Lunch**
Dr. William Merwin, President, Florida Gulf Coast University

Session II - Ecology (continued)
1:00-1:20 *Wetland Fishes as Indicators of Hydrology* - Dave Ceilley
1:20-1:40 *Waterbirds and water fluctuations* - Jerry A. Jackson & Bette J.S. Jackson
1:40-2:00 *Disturbances and aquatic nuisance species* - John Cassani

Session III - Management Implications
2:00-2:15 Overview of panel discussion - "How to manage water to meet human and ecosystem needs in an unpredictable environment"

2:15-3:15 **Panelists:** Wayne Daltry - moderator
South Florida Water Management District
South West Florida Watershed Council
Institute of Food and Agricultural Sciences
Florida Gulf Coast University

3:15-5:15 **Cocktails - Whitaker Building courtyard**

5:30-8:30 **Lake Trafford barbecue**

14th Southwest Florida Water Resources Conference
Scratching the Surface - SW Florida Surface Water Issues
Friday, September 17, 2004
Holiday Inn Riverwalk Hotel Fort Myers, Florida

10:00 a.m. Board of Directors' Meeting
11:00 a.m. Board of Directors' Lunch
12:00 p.m. Conference Registration

SESSION I
1:00 p.m. Introduction and Opening Remarks
1:15 p.m. Surface Water Quality Issues
1:45 p.m. Case Study in Application of the Harper Methodology (AKA Regulating Nightmares)
2:15 p.m. Implementing a Stormwater Utility in an Adverse Region
2:45 p.m. Public - Private Stormwater Quality Improvement Systems
3:15 p.m. Break

SESSION II Panel Discussion
3:30 p.m. The Son of CERP & Regional Reservoirs - The C-43

SESSION III Social Session & Dinner
5:00 p.m. Networking and Happy Hour
6:00 p.m. Dinner
7:30 p.m. Dinner Speaker
8:00 p.m. Night out in Historic Downtown Fort Myers

17th Annual Southwest Florida Water Resources Conference
November 16, 2007
Florida Gulf Coast University

"Drought Impacts: The Good, The Bad & The Ugly"

9:00 Registration

9:30 Welcome - FGCU Interim President Dick Pegnetter

9:45 - 11:30 **Session I - Resources Challenges:**
Environmental Effects of Prolonged Drought Conditions on groundwater supplies, aquatic and terrestrial ecology and MFL's

11:45 - 12:45 **Lunch**
Speaker: Vernon Peoples of WGPU's "Vernon's Views".

12:45 - 2:30 **Session II - Resources Solutions:**
Technology & Planning

2:30 - 2:45 **Break**

2:45 - 4:30 **Session III - Panel Discussion:**
Can We Get There From Here? Policies and Implications.

4:45 - Meet and Greet on FGCU Campus

5:30 - AWRA Members Dinner - TBD (Cost not included in Registration)

Conference updates and forms will be posted on www.caloosahatchee.org/awra

22nd Annual Southwest Florida Water Resources Conference
Royal Palm Yacht Club, Ft. Myers
January 25, 2013

AGENDA

8:30 - 8:35 a.m. **OPENING REMARKS**
Ron Edenfield, Conference Chair

8:35 - 9:10 a.m. **WELCOME SPEAKER**
The Water-Energy Nexus: Federal Approach to Water Management and Water Tradeoffs
Frank Rizzo, U.S. General Accounting Office, Washington, D.C.

9:10 - 10:15 a.m. **SESSION A**
ENERGY & LIFE CYCLE ASSESSMENT FOR WATER MANAGEMENT SYSTEMS
Session Chair: Ed Hanlon, University of Florida
• The Emerging Discipline of Energy Analysis for Water Management - Mark Brown, University of Florida
• Energy Analysis of Sugarcane Water Management - Nana Anomah, Intelligent International
• Life Cycle Assessment for Florida Biofuels Systems - Jose Erua, Intelligent International

10:15 - 11:20 a.m. **SESSION B**
VISIT THE RESEARCH POSTERS Sponsored by:
Session Chair: Kristoph-Dietrich Kinzli, Florida Gulf Coast University

11:20 - 12:25 p.m. **SESSION C**
WATER AND ENERGY DEMANDS
Session Chair: Julie Capone, Intelligent International
• Energy and Water in Context: A Business Perspective - Seth Sheldon, Energy Points
• Urban Water Infrastructure & Energy Challenges - James Goodrich, U.S. Environmental Protection Agency

12:25 - 1:30 p.m. **LUNCH (STUDENT-PROFESSIONAL LUNCH PAGING)**
Session Chair: Andy Tilton, Johnson Engineering

1:30 - 2:35 p.m. **SESSION D**
WATER USE IN ENERGY SYSTEMS
Session Chair: Karen Richford, Lee County Natural Resources
• Energy's Water Demand Trends - Nicole Carter, Congressional Research Service
• Water Use in the Lee County Algal Bioethanol Project - Ronald Chance, Algal

2:35 - 3:40 p.m. **SESSION E**
WATER USE AND MANAGEMENT IN FRACKING
Session Chair: Sabrina Lutz, Passavilla & Associates
• Pro's and Con's of Fracking - Christopher Brown, University of North Florida
• Recycling of Hydrofracking Water - David Yashineer, Pennsylvania State University
• Water Management Challenges of Hydraulic Fracturing - Radovan Vidic, University of Pittsburgh

3:40 - 4:05 p.m. **NETWORKING BREAK**

4:05 - 5:40 p.m. **PANEL DISCUSSION**
Moderator: Ron Edenfield, R.M. Edenfield Company, LLC
• Frank Rizzo, U.S. General Accounting Office
• James Goodrich, U.S. Environmental Protection Agency
• Nicole Carter, Congressional Research Service
• Christopher Brown, University of North Florida
• Radovan Vidic, University of Pittsburgh

5:40 - 7:10 p.m. **ATTITUDE ADJUSTMENT NETWORKING**
Cock bar and complimentary hot & cold.