

DRAFT (9-2-22)
2022 Florida Resilience Conference
October 5-7, 2022 ♦ Hyatt Regency Bonita Springs

Wednesday, October 5

General Session

1:00 pm – 2:40 pm

1:00 pm

Call to Order

Charlie Hunsicker, Manatee County and FSBPA Chair ♦ Roman Gastesi, Monroe County and Roxanne Horvath, St. Augustine, Resiliency Florida Co-chairs

1:15 pm

Welcome and Opening Remarks, Lee County, Florida

Ray Sandelli, Vice-Chair, Lee County Commissioner, District 3

1:25 pm

Legislative Keynote Address – Florida’s Environmental Outlook – Policy, Funding, and the Next Chapter

Senator Kathleen Passidomo, District 28, Consists of Collier, Hendry Counties and part of Lee County

1:45 pm

The Future is Here: Adaptation as Necessity

Wesley Brooks, Chief Resilience Officer, State of Florida, Tallahassee

2:00 pm

Florida Department of Environmental Protection - A Statewide Assessment on Resilience

Adam Blalock, Deputy Secretary and Alex Reed, Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee

2:25 pm

Florida Regional Councils Association – Planning for Florida’s Future

Tara McCue, Executive Director, East Central Florida Regional Planning Council, Orlando

2:40 pm

Professional Exchange Break

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Session: A1-Agriculture

Food Security

3:10 pm – 5:15 pm

3:10 pm

Farm to Table: How Economics Impact Resilience in Food Supply

Fritz Roka, PhD, Associate Professor and Director, Center for Agribusiness, Florida Gulf Coast University ♦
Christa Court, PhD, Assistant Professor of Regional Economics and Director, Economic Impact Analysis
Program, University of Florida, Gainesville ♦ Lisa House, PhD, Professor and Department Chair, Food and
Resource Economics Department, University of Florida, Gainesville

4:10 pm

Nourishing the Next Generation: Sustainable Fertilizer Practices in Agriculture

Mary Hartney, President, Florida Fertilizer and Agrichemical Association, Bartow

4:30 pm

The First Line of Defense: Florida's Ports Combating Pests & Disease

Chris Cooley, Chair of the Florida Ports Council's Seaport Environmental Management Committee and
Environmental Director, Port Tampa Bay, Tampa

4:50 pm

Florida's Farmers: Battling Food Insecurity in a Changing Climate

Michael Ellis, Vice President, Strategic Environmental Affairs, U.S. Sugar, Clewiston

5:10 pm

Session Q&A

5:15 pm

Adjourn

5:45 pm

Welcome Reception

DRAFT (9-2-22)
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Session: B1-Beaches

Beach Management/Projects and Perspectives

3:10 pm – 5:15 pm

3:10 pm

The Lee County Beach Management Program – Leveling Up

Steve Boutelle, Marine Operations Manager, Lee County Natural Resources, Fort Myers ♦ Nancy MacPhee, Product Development Manager, Lee County Visitor & Convention Bureau, Fort Myers ♦ Kevin Bodge, PhD, PE, President, Olsen Associates, Inc., Jacksonville ♦ Jacqueline Brower, PhD, PE, Coastal Engineer & Scientist, Moffatt & Nichol, Fort Lauderdale ♦ Michael Poff, PE, President, Coastal Engineering Consultants, Bonita Springs

3:55 pm

Flagler County, Florida Beach Management Planning

Chris Creed, PE, Principal, Olsen Associates, Jacksonville

4:15 pm

**Nature-based Coastal Resiliency for Barrier Islands in Southwest Florida,
Case Study of Tigertail Lagoon / Sand Dollar Island Ecosystem Restoration Plan**

Mohamed Dabees, PhD, PE, D CE, Vice President, Humiston & Moore Engineers, Naples

4:35 pm

Species Conservation Measures and Permitting Guidelines for Four Species of Imperiled Beach-nesting Birds

Michelle van Deventer, Shorebird Monitor Coordinator, Florida Fish & Wildlife Conservation Commission, Tallahassee

4:55 pm

Tropical Cyclones: A Global Perspective

Mike Jenkins, PhD, PE, Senior Principal, Geosyntec Consultants, West Palm Beach

5:15 pm

Adjourn

5:45 pm

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Session: C1-Energy

Grid Resilience/Community Collaborations

3:10 pm – 5:15 pm

3:10 pm

Keeping the Lights on: Present and Future Grid Resilience Efforts

Hans Jacobs, Business Development Director, Duke Energy ♦ Cairo Vanegas, Manager of Member Services Development, Florida Municipal Power Agency ♦ TBD panelist from Florida Power & Light

4:00 pm

A Community Approach to Resilience in Tampa Bay

Brian Cook, Director of Urban Design, Applied Sciences Consulting, Inc., Tampa

4:20 pm

Stories from Across the Gulf: Creating Community Dialogues Around Resilience

Melissa Hill, Program Manager, Gulf Program, National Wildlife Federation, Gainesville

4:40 pm

Collaboration - the Key to Community Resilience

Keith Clinkscale, Director of Strategic Planning & Performance Management and Megan Houston, Director of the Office of Resilience, Palm Beach County, West Palm Beach, and Rebecca Harvey, Sustainability Coordinator, City of Boynton Beach

5:10 pm

Session Q&A

5:15 pm

Adjourn

5:45 pm

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Session: D1-Infrastructure

Transportation

3:10 pm - 5:15 pm

3:10 pm

Resilient Transportation Systems – State and Regional Perspectives

Jennifer Carver, AICP, Statewide Community Planning Coordinator, Office of Policy Planning, Florida Department of Transportation, Tallahassee and Allison Yeh, AICP, LEED GA, Assistant Executive Director, Sustainability Coordinator, Hillsboro Transportation Planning Organization, Tampa

4:10 pm

Roadmap to Resiliency: Analyzing Changes in the Exceedance of Water Level Thresholds and Impacts on FDOT's Coastal Assets

Leonard Barrera Allen, Senior Engineer, Cummins Cederberg, Inc., Coral Gables, and Valerie Seidel, President, The Balmoral Group, Winter Park

4:30 pm

Lessons Learned over the Last 15 Years in Resilience Planning for the City of Norfolk

Brian Joyner, Senior Coastal Engineer, Moffatt & Nichol, Norfolk, VA

4:50 pm

Simulating Coastal Flooding and Sea Level Rise Adaptation Strategies as Part of Resiliency Studies: Best Practices, Model Selection, and Implications to Flood Water Management and Water Quality in Florida

Lindino Benedet, PhD, Principal, Coastal Protection Engineering, Boca Raton

5:10 pm

Session Q&A

5:15 pm

Adjourn

DRAFT (9-2-22)
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Thursday, October 6

Session: A2-Agriculture

Climate Change and Adaptability Part 1

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

An Agency Perspective on Resilience: The Path Forward with FDACS

Steven Hall, General Counsel, Florida Department of Agriculture and Consumer Services, Tallahassee

8:50 am

It's Not Easy Being Green: Protecting Florida's Plant Industry

Amanda Hodges, PhD, Director, Doctor of Plant Medicine Program, Entomology and Nematology Department, University of Florida, and Leroy Whilby, PMD, Bureau Chief, Entomology, Nematology and Plant Pathology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, Gainesville

9:20 am

Florida's Citrus Industry: What's Next

Matt Joyner, Executive Vice-President and CEO, Florida Citrus Mutual, Bartow

9:40 am

Sustainability in Agriculture: Where Old Ideas Meet New Technology

Andy Sauber, Senior Director of Sustainability, Florida Crystals, West Palm Beach

10:00 am

Professional Exchange Break

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Thursday, October 6

Session: B2-Beaches

Beach Management/Federal Updates

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

U.S. Army Corps of Engineers Jacksonville District Commander's Update

James L. Booth, Commander, Jacksonville District, U.S. Army Corps of Engineers

8:50 am

The Evolving World of Coastal Storm Damage Reduction Planning with USACE (and how you can navigate the changes)

Eric P. Summa, Chief, Planning and Policy, South Atlantic Division, U.S. Army Corps of Engineers

9:10 am

Federal Participation in Florida Projects: The Next 50 Years of Storm Protection

John Bishop, Coastal Management Coordinator, Pinellas County Environmental Management, Clearwater
♦ Kevin Bodge, PhD, PE, President, Olsen Associates, Inc., Jacksonville ♦ Milan A. Mora, PE, Chief, Water Resources Branch, Jacksonville District, U.S. Army Corps of Engineers ♦ Joshua Revord, PE, St. Lucie County Senior Coastal Engineer, Fort Pierce

10:00 am

Professional Exchange Break

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Session: C2-Energy

Power/Solar Generation

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

Distributed Energy: Residential and Commercial Solar

Justin Vandebroek, President, Florida Solar Energy Industries Association, Sarasota

8:50 am

In the Mix: The Future of Power Generation

Ryan Speaks, Renewable Manager, Duke Energy, Lake Mary ♦ Navid Nowakhtar, Resource and Strategic Planning Manager, Florida Municipal Power Agency, Orlando ♦ Mark Barasch, CEO, NuCycle Energy, Plant City ♦ TBD panelist from Florida Power & Light

9:40 am

Shore Power – Planning And Implementing at the World’s Largest Cruise Port at PortMiami, Miami-Dade County, Florida

Tim Blankenship, PE, Vice President, Moffatt & Nichol, Miami, and Becky Hope, Assistant Director, Planning, Environment & Resiliency, PortMiami, Miami

10:00 am

Professional Exchange Break

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Session: D2-Infrastructure

Funding/Hydrological Connectivity

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

Building Resiliency through Hydrological Restoration

Jennifer Hecker, Executive Director, Coastal & Heartland National Estuary Partnership, Punta Gorda

8:50 am

Winter Haven One Water Master Plan

Jon Dinges, PE, Regional Water Resources Lead, Black & Veatch Corporation, Tampa and Mike Britt, PE, One Water Project Manager, City of Winter Haven

9:10 am

Solving the Funding Puzzle – How to Unlock Money for Infrastructure Projects

Eddy Bouza, Planning and Policy Environmental Manager and Hanna Tillotson, Grant Management Program Administrator, Resilient Florida Program, Tallahassee ♦ Hank Hodde, CFM, ENV SP, Sustainability & Resiliency Program Coordinator, Pinellas County Environmental Management, Clearwater ♦ Jason Lee, Director, Quantified Ventures, Washington, DC (Invited)

10:00 am

Professional Exchange Break

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Thursday, October 6

Session: A3-Agriculture

Climate Change and Adaptability Part 2

10:30 am-12:10 pm

10:30 am

Climate Smart Agriculture - an Integrated Approach to Managing Landscapes

Juan Hernandez, State Conservationist, Natural Resources Conservation Service, United States
Department of Agriculture, Gainesville

10:50 am

Working Lands and Habitat under Threat: How to Preserve Both

Meredith Budd, Regional Policy Director, Florida Wildlife Federation, Naples

11:10 am

Wildlife and Farms: Partnerships in Conservation

Allie McCue, Regional Director, Southwest, Florida Fish & Wildlife Conservation Commission, Lakeland

11:30 am

Combating Climate Change through Agriculture

Jim Strickland, Owner, Strickland Ranch, Myakka City, and Lynetta Griner, Owner, Usher Land & Timber,
Chiefland

12:05 pm

Q&A

12:10 pm

Adjourn

12:15 pm

Lunch

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Session: B3-Beaches

Beach Management/Federal and State Resources

10:30 am-12:10 pm

10:30 am

“Like sands through the hourglass, these are the days of our lives” - Florida Sand Management Challenges, Needs, and Opportunities

Robert Brantly, PE, Program Administrator, Coastal Engineering and Geology Group, Florida Department of Environmental Protection ♦ Douglas Piatkowski, Marine Minerals Program, Office of Strategic Resources, Bureau of Ocean Energy Management ♦ Matthew Schrader, PE, South Atlantic Division Regional Sediment Management Center of Expertise, U.S. Army Corps of Engineers

11:15 am

Challenges and Opportunities of Beneficially Using 20 Million Cubic Yards of Sand from the Tampa Harbor Improvement Project

Laurel Reichold, Director, South Atlantic Division Regional Sediment Management Center of Expertise, U.S. Army Corps of Engineers, Jacksonville

11:25 am

Federal Funding for Beaches: Recent Decisions and Implications

Robert (Bob) Glassen, Beach Specialist, Public Assistance Branch, FEMA Region IV and Jackie Keiser, Chief, Hurricane Emergency Restoration Division, South Atlantic Division, U.S. Army Corps of Engineers

11:45 am

Florida’s Beach Management Program and Funding Highlights

Lainie Edwards, PhD, Deputy Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee

12:05 pm

Adjourn

12:10 pm

Annual Membership Meeting

12:15 pm

Lunch

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Session: C3-Energy

Carbon Emissions/Planning & Policy

10:30 am-12:10 pm

10:30 am

Zero Carbon Blueprint: A Comprehensive Carbon Emissions Reduction Plan

(Invited Speaker, Florida Power & Light)

10:50 am

Legal and Policy Issues for Resiliency Planning

Erin Deady, Erin L. Deady, PA, Delray Beach

11:10 am

A True Regional Effort - Lessons Learned from a 9-County Vulnerability Assessment

Sean Lahav, Senior Resilience Planner, Half Associates, Inc., Jacksonville and Jenna Phillips, Senior Coastal Engineer, Cummins Cederberg, Inc., Sarasota

11:30 am

Mexico Beach: Resilience and Recovery Post-Hurricane Michael

Ryan Wiedenman, Senior Project Manager, Atkins, Raleigh, NC

11:50 am

Comparisons of Resilience Policy and Sustainability Priorities in Three Communities Along the Eastern Coastal United States

Hannah Hart, Project Manager, Resilience Solutions, Dewberry Engineers, Inc., Orlando

12:10 pm

Adjourn

12:15 pm

Lunch

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Session: D3-Infrastructure

Green Infrastructure and Nature Based Solutions

10:30 am-12:10 pm

10:30 am

Natural Solutions for Stormwater

Nicholas Muzia, PE, Infrastructure Maintenance Manager, Martin County Public Works, Stuart

10:50 am

Habitats Migrating in Response to Climate Change in Central and Southwest Florida

Nicole Iadevaia, Research & Outreach Manager, Coastal & Heartland National Estuary Partnership, Punta Gorda

11:10 am

Jose Marti Park Adaptive Re-Design – Living with Water

Patrick Shearer, Senior Engineer, RES, Miami

11:30 am

Lightning Point Living Shoreline Restoration Project

Meg Goecker, Senior Coastal Scientist, Moffatt & Nichol, Mobile, AL

11:50 am

Local, Regional, and State Resilience Policies in Florida

Whitney Gray, Florida Program Manager-Resilience, Michael Baker International, Tallahassee

12:10 pm

Adjourn

12:15 pm

Lunch

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Friday, October 7

Session: A4-Agriculture

Water Availability-Water Management Districts

8:30 am–10:00 am

7:45 am

Professional Exchange Break

8:30 am

Reuse vs. Groundwater in Agriculture: Industry Challenges and Opportunities

Tom Frick, Chief Resiliency Officer, St. Johns Water Management District, Palatka, and LeRoy Marshal, PE, Chief Professional Engineer, Suwannee River Water Management District, Live Oak

8:50 am

What's Up with the Climate: Meeting Water Demands in the Future

Ana Carolina Coelho Maran, PE, PhD, District Resiliency Officer, and Mark Elsner, PE, Chief, Water Supply Bureau, South Florida Water Management District, West Palm Beach

9:10 am

Rising Tides: The Threats of Coastal Inundation and Saltwater Intrusion to Ag Water Supply

Tom Frick, Chief Resiliency Officer, St. Johns Water Management District, Palatka, and Carole Estes, PG, Manager, FARMS Program, Southwest Florida Water Management District, Sarasota

9:30 am

X Marks the Spot: How WMDs Can Help Maximize Resource Use with Precision Ag

Jerrick Saquibal, PE, Chief, Bureau of Resource Projects and Planning, Northwest Florida Water Management District, Havana, and Carole Estes, PG, Manager, FARMS Program, Southwest Florida Water Management District, Sarasota

9:50 am

Session Q&A

10:00 am

Professional Exchange Break

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Friday, October 7

Session: B4-Beaches

Resilience, Public Beach Access and Customary Use of Florida's Beaches

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

Beach Nourishment Provides Resilient Protection for Coastal Infrastructure

James Houston, PhD, U.S. Army Engineer Research and Development Center, Vicksburg, MS

8:50 am

Public Access and Customary Use of Florida's Beaches – Navigating the Legal Climate for Local Governments

Joni Armstrong Coffey, Partner, Akerman LLP, Miami ♦ Diana Ferguson, Associate, Rutledge Ecenia, Tallahassee ♦
Robert M. Eschenfelder, Esquire, Trask Daigneault LLP, Clearwater ♦ David Theriaque, Founder, Theriaque &
Spain, Tallahassee (Invited)

10:00 am

Professional Exchange Break

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Session: C4-Energy

Resilience Planning & Studies

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

Invited speaker

8:50 am

Connecting Regional All-Hazards Resilience Action to Support Statewide Resilience in Florida

Will Hill, Assistant Director, The FAMU-FSU College of Engineering RIDER Center, Tallahassee ♦ Emily Powell, PhD, Assistant State Climatologist, Florida Climate Center, FSU Center for Ocean-Atmospheric Prediction Studies, Tallahassee ♦ Invited Panelists

9:50 am

Q&A

10:00 am

Professional Exchange Break

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Session: D4-Infrastructure

Gray Infrastructure/Stormwater

8:30 am-10:00 am

7:45 am

Professional Exchange Break

8:30 am

From Concept to Concrete (or Precast Concrete): Infrastructure Resiliency

Diep Tu, PE, Executive Director, Florida Prestressed Concrete Association, Ocoee ♦ Lenny Salvo, Coreslab Structures, Orlando ♦ Robert Guptill, Plant Manager, Standard Concrete Products, Inc., Tampa

9:00 am

Resilient Stormwater Infrastructure And Water Quality Improvements City Of Naples, Florida

Karyn Erickson, PE, D CE, Office Leader, Erickson Consulting Engineers, a Graef Company, Sarasota

9:20 am.

North Bay Village Seawall Coastal Development Criteria Development, North Bay Village, Florida

Tim Blankenship, Vice President, Moffatt & Nichol, Miami, and Ralph Rosado, PhD, AICP, Manager, North Bay Village

9:40 am

Innovative Stormwater Solutions for Use in Coastal Areas

Johnny Martin, Water Practice Leader, Moffatt & Nichol, Raleigh, NC

10:00 am

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General Session

10:30 am-12:00 pm

10:30 am

Connecting the Dots – Perspectives from Industry

Danielle Irwin, Senior Director, CFM, PWS, LEED AP, WEDG, Cummins Cederberg, Inc., Tallahassee ♦ Masjood Jafri, PMP, MIET, Resiliency Market Director, Business Development & Strategy, Atkins, Houston, TX ♦ Kerry Kates, PE, LEED AP, Director of Water & Natural Resources, Florida Fruit & Vegetable Association, Maitland ♦ Thomas Pierro, PE, D CE, Principal Engineer, Coastal Protection Engineering, Boca Raton

12:00 pm

Conference Adjourns