



*featuring the
67th Annual Meeting
Florida Shore & Beach
Preservation Association*

3rd Annual Conference

September 11-13, 2024

**Hyatt Regency
Coconut Point
Bonita Springs, FL**

BUILDING FOR TOMORROW



Hosted by



**RESILIENCY
FLORIDA**

FLORIDA SHORE & BEACH
PRESERVATION ASSOCIATION



Florida's Premier Waterfront Engineering Experts

SHAPING THE FUTURE

OF FLORIDA'S SHORELINES & WATERFRONTS

Cummins Cederberg rises above the growing challenges of sea level rise and tidal flooding along our shorelines.

As leaders in coastal and marine engineering, we deliver comprehensive waterfront and adaptation solutions. Our technical expertise extends to restoring and preserving vital marine ecosystems. Trust Cummins Cederberg to safeguard your shoreline with cutting-edge innovation and a commitment to environmental excellence.

CUMMINS | CEDERBERG
Coastal & Marine Engineering

Follow us on
LinkedIn to learn
more about our
team and innovative
solutions



CORE SERVICES

- Beaches & Coastal Protection
- Environmental Science & Permitting
- Sea Level Rise Adaptation
- Coastal Resiliency
- Nature Based Solutions
- Grant Administration
- Marinas & Waterfront Developments
- Surveying & Data Collection
- Ports & Cruise Destinations
- Construction Services
- Inspections & Maintenance
- Mitigation Planning
- Biological Monitoring

www.CumminsCederberg.com

3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



FSBPA Directors and Staff

OFFICERS

Chair: Steve Boutelle, Lee County
Vice-Chair: Janet Zimmerman, FIND
Secretary/Treasurer: Andy Studt, Palm Beach County

DIRECTORS

John Bishop, Pinellas County
Marina Blanco-Pape, Miami-Dade County
Damon Douglas, St. Johns County
James Gray, Sebastian Inlet District
Emily Lewis, Charlotte County
Mike McGarry, Brevard County
Charles Mopps, Town of Longboat Key
Joshua Revord, St. Lucie County
Dan Rowe, Bay County
Rob Weber, Town of Palm Beach

EX-OFFICIO

Milan Mora, USACE - Jacksonville District
Jennifer Jacobson, USACE - Mobile District
Lainie Edwards, FDEP
Dan Hussin, Manson Construction
Angela Schedel, HDR
Nicole Sharp, APTIM

STAFF

Pepper Uchino, President
Jackie Larson, Executive Director
Lisa Armbruster, Technical Director
Teri Besse, Office & Conference Manager

Resiliency Florida Directors and Staff

OFFICERS

Co-Chair: Roxanne Horvath, City of St. Augustine
Co-Chair: Roman Gastesi, Monroe County
Secretary/Treasurer: Lenny Salvo, Coreslab Structures

DIRECTORS

John Dailey, City of Tallahassee
Gary Hubbard, City of Winter Haven
Claire Jubb, Charlotte County
Amy Knowles, City of Miami Beach
John Meeks, Levy County

EX-OFFICIO

Diep Tu, Florida Prestressed Concrete Association
Kelly Flowers Hass, Edmunds and Associates, Inc.
Catherine Prince, WSP

STAFF

David Rathke, Executive Director

Florida Resilience Conference Planning

We would like to express our sincere appreciation to the following individuals for their help in developing this year's conference program:

Lynette Cardoch, Moffatt & Nicol
Tori Deal, Holland & Knight LLP
Niki Desjardin, Ecological Associates, Inc.
Terry Gibson, Deploy/US
Whitney Gray, Michael Baker International, Inc.
Charlie Hunsicker, Manatee County
Denise Imbler, Florida Regional Councils Association
Catherine Prince, WSP
Diep Tu, Florida Prestressed Concrete Association
Jeffrey "Jeff" Whalen, Magnetics Corporation



- Session A
- Session B
- Session C
- Session D

Smart Planning
Beach Management
Energy
Infrastructure

Calusa Pre-Function
Calusa Ballroom E-H
Calusa Ballroom E-H
Calusa Ballroom E-H
Calusa Ballroom A-D
Calusa Pre-Function
Calusa Ballroom A-D

Blue Heron
Estero B-C
Great Egret
Estero A

3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



Schedule at a Glance

Wednesday, September 11, 2024				
1:00 - 3:00 pm	Opening General Session (Calusa A-D)			
3:00 - 3:30 pm	Professional Exchange Break (Exhibit Hall)			
3:30 - 5:30 pm	A-1 Smart Planning (Blue Heron)	B-1 Beach Management (Estero B-C)	C-1 Energy (Great Egret)	D-1 Infrastructure (Estero A)
5:45 - 6:45 pm	Welcome Reception (Exhibit Hall)			
Thursday, September 12, 2024				
8:00 - 8:30 am	Professional Exchange Break (Exhibit Hall)			
8:30 - 10:10 am	A-2 Smart Planning (Blue Heron)	B-2 Beach Management (Estero B-C)	C-2 Energy (Great Egret)	D-2 Infrastructure (Estero A)
10:10-10:40 am	Professional Exchange Break (Exhibit Hall)			
10:40 am - 12:10 pm	A-3 Smart Planning (Blue Heron)	B-3 Beach Management (Estero B-C)	C-3 Energy (Great Egret)	D-3 Infrastructure (Estero A)
12:15 - 1:15 pm	General Session Luncheon (Calusa A-D)			
5:30 - 6:30 pm	Cocktail Reception - sponsored by Live Wildly (Calusa PreFunction)			
6:30 - 8:30 pm	FSBPA Awards Banquet (Calusa A-D)			
Friday September 13, 2024				
7:45 - 8:30 am	Professional Exchange Break (Exhibit Hall)			
8:30 - 10:10 am	A-4 Smart Planning (Blue Heron)	B-4 Beach Management (Estero B-C)	C-4 Energy (Great Egret)	D-4 Infrastructure (Estero A)
10:10 - 10:40 am	Professional Exchange Break (Exhibit Hall)			
10:40 am - 12:00 pm	Closing General Session (Calusa A-D)			
12:00 pm	Conference Adjourns			

**YOUR PUBLIC EDUCATION
AND COMMUNITY
OUTREACH PARTNER
FOR ALL OF YOUR
GOVERNMENT
PROJECTS**

Public Relations • Social Media
Event Management
Website Design • Marketing
Advocacy • Strategic Planning
Crisis Communications

fireflyforyou.com
info@fireflyforyou.com
772.287.5272



At **Florida Power & Light Company** we are diversifying our energy sources, making our system more efficient and resilient and delivering reliable service while keeping bills as low as possible.

#FPLCares



Wednesday, September 11, 2024
1:00 pm - 3:00 pm

OPENING GENERAL SESSION

LOCATION: Calusa Ballrooms A-D

Moderator: Steve Boutelle, FSBPA Chair and Marine Operations Manager, Lee County Natural Resources Division, Fort Myers, FL

1:00 pm

Call to Order

Steve Boutelle, FSBPA Chair and Marine Operations Manager, Lee County Natural Resources Division;
Roxanne Horvath, Vice Mayor, City of St. Augustine and Resiliency Florida Co-Chair

1:05 pm

Welcome and Opening Remarks from Lee County

Ray Sandelli, Lee County Commissioner, District 3

1:15 pm

Legislative Keynotes: Florida's Outlook for Resilience Policy and Funding

Bobby Payne, Representative, Florida House of Representatives, District 20, Palatka, FL

1:35 pm

Jonathan Martin, Senator, Florida Senate, District 33, Fort Myers, FL (video presentation)

1:40 pm

Creating a More Resilient Florida

Moderator: Wesley Brooks, PhD, Chief Resilience Officer, State of Florida, Tallahassee, FL

- Logan Benedict, Adaptation and Landscape Specialist, Florida Fish and Wildlife Conservation Commission, Tallahassee, FL
- Laura Dhuwe, Chief of Mitigation, Florida Division of Emergency Management, Tallahassee, FL
- Thomas Frazer, PhD, Executive Director, Florida Flood Hub, University of South Florida, St. Petersburg, FL
- Tony Frye, State Transportation Resilience Officer, Florida Department of Transportation, Tallahassee, FL
- Alex Reed, Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

2:30 pm

Charting the Course: FDEP Updates, Strategic Goals, and a Preview of Legislative Priorities

Adam Blalock, Deputy Secretary, Florida Department of Environmental Protection, Tallahassee, FL

2:45 pm

Resiliency in Action, Leon County's Response to Three Disasters in Four Months

Kevin Peters, Director, Leon County, Division of Emergency Management, Tallahassee, FL

3:00 pm

Professional Exchange Break, Ice Cream Social

Location: Exhibit Hall (Calusa Ballrooms E-H)

sponsored by



Kiewit





3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



Wednesday, September 11, 2024
3:30 pm - 6:45 pm



A1-Smart Planning

LOCATION: BLUE HERON

Moderator: Catherine Prince, SE US Leader, Vice President, Climate Resilience and Sustainability, WSP, Miami, FL

3:30 pm

A Statewide Vulnerability Assessment to Achieve Florida's Legislative Mandate

- Michael DelCharco, PE, Senior Vice President/Coastal Strategies, Taylor Engineering, Inc., Jacksonville, FL
- Eddy Bouza, Program Management Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL
- Justin Gregory, Senior Manager/Vice President-Water Resources Engineering, Jones Edmunds, Gainesville, FL

3:50 pm

Regional Resiliency Planning in Northeast Florida: Approaches and Resources

Fara Ilami, Regional Resiliency Manager, Northeast Florida Regional Council, Jacksonville, FL

4:10 pm

Improving Statewide Resilience in Florida: The First 3 Years of the Resilient Florida Program

Hanna Tillotson, Grants Administrator, and Krista Slyter, Planning & Policy Administrator, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

4:30 pm

Adaptation Isn't Dumb Luck

Mitchell Austin, Urban Design Manager, City of Punta Gorda, Punta Gorda, FL

4:50 pm

Resilient Communities Through Innovation and Partnerships

Moderator: Pinar Balci, NYC Water/Deputy East Water Lead, WSP USA Corp, New York, NY

- Marisela Aranguiz-Cueto, PE, Deputy Director of Planning, Regulatory Compliance & Capital Improvement, Miami Dade County Water & Sewer Department, Miami, FL
- Ana Carolina Coelho Maran, PhD, PE, Chief of District Resiliency, South Florida Water Management District, West Palm Beach, FL
- Len Scinto, PhD, Department of Earth and Environment and Institute of Environment, Florida International University, Miami, FL
- Walter Rodriguez Meyer, PLA, Principal, Local Office Landscape & Urban Design, New York City, NY

5:30 pm

Adjourn

5:45-6:45 pm

Welcome Reception

Location: Exhibit Hall (Calusa E-H)

Specialty Cocktails sponsored by

B1-Beach Management

LOCATION: ESTERO B and C

Moderator: Andrew Studt, Program Supervisor, Coastal Resources Management, Palm Beach County, West Palm Beach, FL

Session Sponsored by



3:30 pm

Navigating the Storm: Emergency Repair and Funding Strategies for Florida's Beaches

- Steve Boutelle, Marine Operations Manager, Lee County, Fort Myers, FL
- Alex Reed, Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL
- Dana Souza, City Manager, City of Bonita Beach, FL

4:00 pm

Sanibel Island Beach/Dune Restoration Program Post Hurricane Ian

Brett Moore, PE, D.CE, President, Humiston and Moore, Naples, FL

4:20 pm

Recent Updates on FEMA Beach Projects

Bob Glassen, Beach Specialist, Public Assistance Division, FEMA Region IV, Tallahassee, FL

4:40 pm

Managing Byproducts of Screened Sand on Beach Nourishment Projects in Florida

Moderator: Lisa Armbruster, Beach Management Consultant, Bay County Tourist Development Council, Panama City Beach, FL

- Jennifer Bucatari, Oceanographer, Bureau of Ocean Energy Management, Sterling, VA
- Gregory Garis, Program Administrator, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL
- William Reilly, PE, Chief, Waterways Branch, U.S. Army Corps of Engineers, Jacksonville District, Jacksonville, FL
- Andrew Studt, Program Supervisor, Coastal Resources Management, Palm Beach County, West Palm Beach, FL

5:30 pm

Adjourn





Wednesday, September 11, 2024
3:30 pm - 6:45 pm



C1-Energy

LOCATION: GREAT EGRET

Moderator: Tori Deal, Public Affairs Advisor, Holland & Knight, LLP, Tallahassee, FL

Session Sponsored by  **TECO**
TAMPA ELECTRIC
AN EMERA COMPANY

3:30 pm

Planning for Florida's Energy Future: HB 1645 - Energy Resources

Bobby Payne, Representative, Florida House of Representatives, District 20, Palatka, FL

3:50 pm

Utility-scale Implementation of HB 1645 - Energy Resources

- Dale Calhoun, Executive Director, Florida Natural Gas Association, Tallahassee, FL
- Mike Cassel, Vice President of Regulatory and Government Affairs, Chesapeake Utilities Corporation, Yulee, FL
- Daniela Delpino, Environmental Engineer, Florida Municipal Power Agency, Orlando, FL
- Tamara Waldmann, Director, Florida Renewables, DG Strategy and Policy, Duke Energy, St. Petersburg, FL

4:30 pm

Microgrids: Resilient, Renewable Power that Sustains Critical Local, State and Federal Operations

Colonel Jason Kirk (Ret.), VP Federal Solutions Director and Resilience Programs, Black & Veatch, Jacksonville, FL

4:50 pm

Let the Sun Shine in: Is There a Future for Rooftop Solar Energy in Florida

Ralph DeMeo, Shareholder, Guilday Law, Tallahassee, FL

5:10 pm

The Future of Energy through Superconductivity

Jeffrey "Jeff" Whalen, PhD, CEO, Magnetics Corporation, Tallahassee, FL

5:30 pm

Adjourn

D1-Infrastructure

LOCATION: ESTERO A

Moderator: Danielle Irwin, Senior Director, Cummins Cederberg, Tallahassee, FL

3:30 pm

Mission Assurance through Community Resilience: Florida Case Studies

Sarah Marrs, Resilience Project Manager, Jacobs, Fort Lauderdale, FL; and Susy Torriente, Global Principal, City Resilience, Project Director, Jacobs, Miami, FL

3:50 pm

Hillsborough County's Approach to an Integrated Vulnerability Assessment, Adaptation Plan, and Local Mitigation Strategy

Troy Salisbury, Hazard Mitigation, Sustainability and Resiliency Manager, Hillsborough County, Tampa, FL; and Taryn Sabia, Director of the Florida Center for Community Design + Research and Assistant Dean of Research for the College of the Arts, University of South Florida, Tampa, FL

4:10 pm

Adapting Naples: Building a Climate Ready and Resilient City

Erica Harris, Climate Adaptation Specialist, AECOM, Fort Lauderdale, FL; and Natalie Hardman, Natural Resources Manager, City of Naples, FL

4:30 pm

Innovative Approach to Integrating Resilient Infrastructure into a Barrier Island Community

Roland Samimy, PhD, Chief Resilience and Sustainability Officer, and Colleen Blank, Capital Program and Grants Manager, Village of Key Biscayne, Village of Key Biscayne, FL

4:50 pm

Broward County's Integrated Approach to Risk Assessment and Resilience Planning

Gregory Mount, Assistant Chief Resilience Officer, Broward County, Fort Lauderdale, FL

5:10 pm

CASE STUDY: Creating a Route to Climate Resilience for Coastal Infrastructure

Craig Wells, Florida Client Services Director, and Curtis Burkett, Senior Project Manager, Freese and Nichols, Tampa, FL

5:30 pm

Adjourn

5:45-6:45 pm

Welcome Reception

Location: Exhibit Hall (Calusa E-H)

Hors d'oeuvres sponsored by



BLACK & VEATCH

BUILDING RESILIENCE

With more frequent and intense coastal storms, increasing precipitation, and higher temperatures, our coastal communities face daily disruptions and more frequent emergencies due to climate change and other stresses.

The physical, social and environmental challenges that our coastal communities face can be overwhelming.

From tidal flooding to rising sea level and beach erosion, the impacts of these hazards must be collectively assessed from engineering, environmental, social and economic perspectives, with resilience strategies addressing these interconnected dimensions.

Using numerical models and digital planning tools like our City Simulator™, communities can improve their resiliency and provide more certainty for local stakeholders.

Learn more about adaptive management practices, non-traditional funding sources, designing for uncertainty, integrated water resources, innovation, asset management – topics that will give insight on how communities can be more resilient.

We're helping local authorities, agencies and communities understand and anticipate the impacts of climate and other stressors, identify what they can do to adapt and mitigate, and help them withstand incidents and recover rapidly and smartly.

Engineering a better future for our planet and its people.

atkinsrealis.com
engineeringnetzero.com

Visit us at Booth #34.



U.S. coastline counties are home to 87 million people representing 29% of the population



Impossible

When we invest in our communities, we help turn impossible challenges into possible solutions. By sharing, growing, and encouraging, we can create a “can-do” spirit for our communities.

2024 Florida Resilience Conference, we proudly celebrate the success of your commitment and service to the community.

wellsfargo.com/impact

© 2024 Wells Fargo Bank, N.A. IHA-7902307

**WELLS
FARGO**



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



Thursday, September 12, 2024
8:00 am - 10:10 am



A2-Smart Planning

LOCATION: BLUE HERON

B2-Beach Management

LOCATION: ESTERO B and C

8:00 am Professional Exchange Break, Morning Sunshine Break

Location: Exhibit Hall (Calusa Ballrooms E-H)

sponsored by



Moderator: Whitney Gray, Florida Resilience Program Manager, Michael Baker International, Tallahassee, FL

8:30 am

Resilience Funding and Infrastructure Implementation for a Resilient Coastal Community: 20 Years of Beaches, Back Bays, Rivers and Stormwater In Norfolk, Virginia

Brian Joyner, Senior Coastal/Hydraulic Engineer, Moffatt & Nichol, Norfolk, VA; and Kelli Cunningham, Operations Director, Waggonner & Ball, New Orleans, LA

8:50 am

HMA Grants - An Overview

Gary O'Neal, Director of Mitigation Grant Services, Tetra Tech, Walker, LA

9:10 am

Mitigating Future Flooding

Noah Taylor, Community Rating System Coordinator, Sarasota County Government, Sarasota, FL

9:30 am

MacArthur Boulevard: Protected from the Sea and River

Amy Eason, Environmental Resource Engineer, Martin County Board of County Commissioners, Stuart, FL

9:50 am

Cumulative Substantial Improvement Tracking: Addressing the Challenge of Day-to-Day Enforcement

Conn Cole, Hazard Mitigation Lead, Forerunner, New York, NY

**10:10 am Professional Exchange
Mid-Morning Beverage Break**
Location: Exhibit Hall (Calusa E-H)
sponsored by

Moderator: Janet Zimmerman, Executive Director, Florida Inland Navigation District, Jupiter, FL

Session Sponsored by



8:30 am

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

Major Matt Wescott, Deputy District Commander, U.S. Army Corps of Engineers, Jacksonville, FL

8:50 am

Perpetual Easements in Federal Beach Projects: Balancing Requirements and Local Government Concerns

- Charlie Hunsicker, Director, Natural Resources Department, Manatee County, Bradenton, FL
- Mike McGarry, Beaches Boating & Waterways Program Manager, Brevard County, Viera, FL
- Milan Mora, PE, Chief, Water Resources Branch, Jacksonville District, U.S. Army Corps of Engineers, Jacksonville, FL

9:20 am

Beach Management Trends & Updates from the State Perspective

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

9:40 am

Mitigation of Inlet Impacts: Strategies on Leveraging Partnerships and Meeting Bypass Objectives

- Al Browder, PhD, PE, Senior Client Manager, Coastal Engineer, Foth | Olsen, Jacksonville, FL
- Jessica Garland, Coastal Program Manager, Martin County, Stuart, FL
- William "Guy" Weeks, Planning Manager, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL





Thursday, September 12, 2024
8:00 am - 10:10 am

AtkinsRéalis



C2-Energy

LOCATION: GREAT EGRET

D2-Infrastructure

LOCATION: ESTERO A

8:00 am Professional Exchange, Morning Sunshine Break

Location: Exhibit Hall (Calusa Ballrooms E-H)

sponsored by



Moderator: Nadia Locke, PE, LEED AP, Florida
Advisory Services Manager, RES, Fort Lauderdale,
FL

8:30 am

Leveraging Florida C-PACE to Enhance the Resiliency and Sustainability of Privately-owned/ Commercial Buildings

Devesh Nirmul, CSDP, CEM, Director, Energy and
Innovation, REAL Building Consultants, Brandon, FL

8:50 am

LEED: Integrating Prevention and Response for Resilient Built Environments

- Philip Donovan, AIA LFA, Partner, Director Regen
CoLab, Little Diversified Architectural Consulting,
Orlando, FL
- Ian Lahiff, Director of Energy and Carbon, U.S.
Green Building Council, Washington, DC
- Kristy Walson, PE, LEED Fellow, BEMP, Principal,
Branch Pattern, Orlando, FL

9:40 am

Effluent Energy Recovery Systems - A Resilient and Sustainable Path to Providing Cooling/Heating Through Water Reuse from Water Treatment Facilities

Lee K. Kimbell, PhD, Water & Wastewater Engineer,
Black & Veatch, Miami, FL

Moderator: Douglas Gaffney, PE., Technical Director,
Ports and Coastal Resilience Practice Lead, AtkinsRéalis,
Edison, NJ

8:30 am

Funding Florida's Resilient Future

- Eddy Bouza, Program Management Director, Office of
Resilience and Coastal Protection, Florida Department
of Environmental Protection, Tallahassee, FL
- Lynette Cardoch, Director, Resilience & Adaptation,
Moffatt & Nichol, Miami, FL
- Hannah Hart, PMP, Senior Project Manager, Resilience
Solutions, Dewberry, Orlando, FL
- Melissa Piscetek, Vice President, Climate Finance
Practice Lead, WSP, Washington, DC
- Galen Treuer, PhD, Climate Tech & Economic Innovation,
Miami-Dade County, Office of Innovation and Economic
Development, Miami, FL

9:00 am

Legal Policy and Project Case Studies in Vulnerability Planning and CRS Watershed Planning

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

9:20 am

Hybrid Living Shorelines in South Florida - Design Considerations, Legacy Regulatory Framework, and Needed Policy Changes

Danielle Irwin, Senior Director, Cummins Cederberg,
Tallahassee, FL; and Leonard Barrera Allen, Senior
Engineer, Cummins Cederberg, Miami, FL

9:40 am

Miami-Dade County Back Bay Coastal Storm Risk Management Study

- Lynette Cardoch, Director, Resilience and Adaptation,
Moffatt and Nichol, Miami, FL
- Christian Kamrath, Resiliency Project Manager,
Adaption, Office of Resilience, Miami-Dade County,
Miami, FL
- Karina Castillo, Resiliency Program Manager,
Communications, Office of Resilience, Miami-Dade
County, Miami, FL

10:10 am Professional Exchange
Mid-Morning Beverage Break
Location: Exhibit Hall (Calusa E-H)
sponsored by





3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



Thursday, September 12, 2024
10:40 am - 12:10 pm



A3-Smart Planning

LOCATION: BLUE HERON

Moderator: Christopher Roschek, PE, Chief Resiliency Officer, City of Hollywood, FL

10:40 am

Promoting Community Resilience to Natural Hazards Through Governance, Education, and Partnership Building

Emily Powell, Assistant State Climatologist, Florida State University, Florida Climate Institute, Tallahassee, FL; and Alicia Betancourt, University of Florida IFAS Extension, Key West, FL

11:00 am

Coastal Connections Sustaining Hillsborough and Pinellas Counties for Future Resilience

Alexandria Howerton, Sustainability Program Manager, Hillsborough County, Tampa, FL; and Lauren Wolf, Sustainability & Resiliency Coordinator, Pinellas County, Clearwater, FL

11:20 am

Cedar Key ShOREs – a Model for Co-Designing Nature-Based Solutions in a Small Coastal Town

Amer Abukhalaf, Assistant Professor, Clemson University, Clemson, SC

11:40 am

Miami-Dade Countywide Resilience Hub Network Strategy

- Karina Castillo, Program Manager, Communications, Engagement and Outreach, Miami-Dade County Office of Resilience, Miami, FL
- Sarah Marrs, Resilience Project Manager, Jacobs, Fort Lauderdale, FL
- Richard Miller, Project Manager, Arsht-Rock, Washington, DC
- Susy Torriente, Global Principal, City Resilience, Project Director, Jacobs, Miami, FL

12:10 pm

Session Adjourns

12:15 pm – 1:15 pm

Luncheon

B3-Beach Management

LOCATION: ESTERO B and C

Moderator: Damon Douglas, Coastal Manager, St. Johns County, St. Augustine, FL

10:40 am

The Recreational and Economic Value of Florida Beaches

James Houston, PhD, Director Emeritus, Engineer Research and Development Center, U.S. Army Corps of Engineers, Ponte Vedra, FL

11:00 am

Sea Turtle Nesting on Florida's Managed Beaches: What Have We Learned?

Robbin Trindell, PhD, Biological Administrator, Imperiled Species Management, Florida Fish and Wildlife Conservation Commission, Tallahassee, FL

11:25 am

Conserving Florida's Underwater Treasures: Coral Reefs and Aquatic Preserves

Alex Reed, Director, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

11:45 am

USACE Jacksonville District's Role in Endangered Species Conservation for Coastal Projects Highlighting Current Challenges

Gretchen Ehlinger, PhD, Chief, Environmental Branch, Planning and Policy Division, U.S. Army Corps of Engineers, Jacksonville, FL

12:05 pm

Annual FSBPA Membership Meeting

12:10 pm

Session Adjourns

12:15 pm – 1:15 pm

Luncheon



Thursday, September 12, 2024
10:40 am - 12:10 pm



C3-Energy

LOCATION: GREAT EGRET

Moderator: Virginia Dailey, Partner, Panza Maurer, Tallahassee, FL

10:40 am

Analysis of Alternative Fuels in the Heavy-duty Transportation Industry

- Catherine Prince, SE US Leader, Vice President, Climate Resilience and Sustainability, WSP, Miami, FL
- Ryan Clayton, Global Head of Sales, Nikola Corporation, Phoenix, AZ
- Jose de Jesus, Director of Engineering, Port Tampa Bay, Tampa, FL
- Dawn Shirreffs, Florida Director, Environmental Defense Fund, St. Petersburg, FL

11:30 am

Fuel Resilience and Energy Infrastructure

Justin Stankiewicz, General Manager, Chesapeake Utilities Corp., Yulee, FL

11:50 am

FPL EVolution: Plugging into Florida's Future

Crystal Stiles, Executive Director, FPL Development, Distributed Technologies and Mobility, Florida Power & Light, Juno Beach, FL

12:10 pm

Session Adjourns

12:15 pm - 1:15 pm

Luncheon

D3-Infrastructure

LOCATION: ESTERO A

Moderator: Mike Flood, National Resiliency Lead, WSP, Silver Spring, MD

10:40 am

Resilience Updates and Data Applications for Informed Decision-Making in Transportation

Tony Frye, State Transportation Resilience Officer, Office of Environmental Management, and Brett Wood, Surveying and Mapping, Florida Department of Transportation, Tallahassee, FL

11:05 am

Post-Ian Impacts on Facilities in District 1

Brett Setchell, Drainage Engineer, Florida Department of Transportation, Bartow, FL

11:20 am

Innovations for Corridor Flood Risk Protection: The Monroe County Coastal Storm Risk Study

Sebastian Ruiz, Planning and Environmental Management Office, Florida Department of Transportation, Miami, FL

11:35 am

Q&A

11:40 am

Restoring and Recreating Nature to Save Miami's Blue Heart

- Aida Curtis, President, Curtis & Rogers Design Studio, Miami, FL
- Jessica Bruso, Green Stormwater Infrastructure Specialist, Ferguson Waterworks, Cocoa Beach, FL
- Liza Herrera, PE, Manager, Stormwater Engineering Section, Department of Transportation and Public Works, Miami-Dade County, Miami, FL
- Nancy Jackson, Biscayne Bay Program Director, Miami-Dade County, Miami, FL

12:10 pm

Session Adjourns

12:15 pm - 1:15 pm

Luncheon



Helping Florida communities secure a more resilient future

WSP delivers organizational and infrastructure resilience through the entire project life-cycle, including climate risk assessment, adaptation planning, funding and financing, asset design, construction management, and disaster response and recovery.



Tell us how we can help you. Visit us at booth #6.

[wsp.com](https://www.wsp.com)

Thursday, September 12, 2024
12:15 - 1:15 pm

LUNCHEON
LOCATION: CALUSA BALLROOMS A-D

SCHOLARSHIP PRESENTATION

**2024 Student Travel Scholarship Recipients supported
by Surfing's Evolution & Preservation Foundation**
*presented by Lauren Floyd, Scholarship Awards Committee
Member*



*Additional committee members include Lainie Edwards, James Gray,
and Jimmy Sellers.*

1:30 - 3:00 pm
Resiliency Florida Membership Meeting
Location: Blue Heron

2:00 - 4:00 pm
WORKSHOP
Location: Estero A

Powering Progress: Local Leadership in Energy Efficiency and Clean Energy
Hosted by Elizabeth Alvi, Senior Director, Policy, Audubon Florida

The workshop will explore local government case studies of successful strategies and funding opportunities to enhance energy efficiency, expand clean energy use, and save taxpayer dollars. It will feature guest speakers, facilitated discussions, and presentations, and will give you practical tools to bring home to your community. All registered attendees are welcome.



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting

Thursday, September 12, 2024
5:30 pm - 8:30 pm

COCKTAIL RECEPTION

LOCATION: CALUSA PRE-FUNCTION

5:30 - 6:30 pm

SPONSORED BY



Thank you for sponsoring the Cocktail Reception

FSBPA ANNUAL AWARDS BANQUET

LOCATION: CALAUSA BALLROOMS A-D

6:30 pm

(dinner ticket required)

Thank You Award Banquet Sponsors!



FSBPA 2024 Annual Meeting Awards



PER BRUUN DISTINGUISHED SERVICE AWARD

Steve Boutelle, Lee County Natural Resources Division, Fort Myers

JIM PURPURA/T.Y. CHIU ENGINEERING AWARD

Vadim Alymov, Coastal Engineering Consultants, Bonita Springs

SUZI FOX ENVIRONMENTAL AWARD

Lauren Floyd, Coastal Protection Engineering, Boca Raton

LOCAL GOVERNMENT AWARD

Holly Milbrandt, City of Sanibel

OUTSTANDING SERVICE AWARD

Pinellas County Public Works Department, Clearwater

PUBLIC SERVICE AWARD

Michael Campbell, Lee County Natural Resources Division, Fort Myers

PUBLIC SERVICE AWARD

Chadd Chustz, Town of Fort Myers Beach



Award Plaques sponsored by



HUMISTON & MOORE ENGINEERS





3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting



Friday, September 13, 2024
7:45 am - 10:10 am



A4-Smart Planning

LOCATION: BLUE HERON

B4-Beach Management

LOCATION: ESTERO B and C

7:45 am Professional Exchange Breakfast Break
Location: Exhibit Hall (Calusa Ballrooms E-H)
sponsored by



Moderator: Justin Saarinen, Principle, Client Service Leader, CDM Smith, Fort Myers, FL

8:30 am

Federal Resources for Understanding and Planning for Sea Level Rise

Heidi Stiller, South Regional Director, NOAA Office for Coastal Management, St. Petersburg, FL

8:50 am

Bridging the Gap Between Resilience Planning and Effective Implementation Strategies

Stephen Bourne, Project Director, AtkinsRealis, Atlanta, GA

9:10 am

From Data to Decisions: Using Artificial Intelligence and Remote Sensing to Guide Nature-Based Solutions in Coastal Areas

Matthew Campbell, President, Natrx, Inc., Raleigh, NC

9:30 am

JaxTwin: An Urban Digital Twin to Guide Data-Driven, Proactive Investments to Achieve a Thriving City Ecosystem and a Foundational Step Towards Florida's Digital Twin

Changjie Chen, Assistant Scientist, and Jeff Carney, Director and Associate Professor, University of Florida, Florida Institute for Built Environment Resilience (FIBER) Gainesville, FL

9:50 am

Gulf South Studio-Innovation in Multidisciplinary Coastal Design + Planning

Andrea Galinski, Assistant Professor, University of Florida, Gainesville, FL

Moderator: Mike McGarry, Beaches Program Manager, Brevard County, Viera, FL

8:30 am

Southwest Florida's Coastal Vulnerabilities Revealed by Impacts from Hurricane Ian: Lessons for Building Resilience Capacity

Michael Savarese, PhD, Professor, Florida Gulf Coast University, Fort Myers, FL

8:50 am

Evaluating Beach Dune Vegetation Loss and Regeneration Following Hurricane Ian

Jeannine Richards, PhD, Assistant Professor, Florida Gulf Coast University, Fort Myers, FL

9:10 am

Estero Island Beach Nourishment and Hurricane Recovery

Michael Poff, PE, President, Coastal Engineering Consultants, Bonita Springs, FL; and Chadd Chustz, Environmental Project Manager, Town of Fort Myers Beach, FL

9:30 am

Get Off Of My Beach - A Customary Use Update

Diana Ferguson, Shareholder, Rutledge Ecenia, Tallahassee, FL; and Brendan Mackesey, Attorney

**10:10 am Professional Exchange
Mid-Morning Beverage Break**
Location: Exhibit Hall (Calusa E-H)
sponsored by





Friday, September 13, 2024
7:45 am - 10:10 am

AtkinsRéalis



C4-Energy

LOCATION: GREAT EGRET

D4-Infrastructure

LOCATION: ESTERO A

7:45 am Professional Exchange Breakfast Break
Location: Exhibit Hall (Calusa Ballrooms E-H)
sponsored by



Moderator: Jeffrey "Jeff" Whalen, PhD, CEO,
Magnetics Corporation, Tallahassee, FL

8:30 am

Collaboration to Fuel Clean Energy Investment in Florida

Janet Bowman, Senior Policy Advisor/Climate Policy,
The Nature Conservancy, Tallahassee, FL; and
Cara Woods Serra, AICP, CFM, Director of Resiliency,
Tampa Bay Regional Planning, Pinellas Park, FL

9:00 am

Tackling Transition Risks

Jessica Wright, LEED AP, Resiliency Technical
Director, Partner Engineering and Science, Inc.,
Altamonte Springs, FL

9:20 am

Clean Energy Transition with Hydrogen

Brian McCarthy, National Hydrogen Market
Lead, WSP, New York, NY; and Jamie Gentile,
Executive Director, Development for Clean Energy
Infrastructure, Florida Power & Light Company, Juno
Beach, FL

9:50 am

Renewable Natural Gas from Landfill Gas: A Path to Florida's Energy Resilience

Alicia Fanni, Sales and Marketing Analyst, Waga
Energy, Miami, FL

10:10 am Professional Exchange
Mid-Morning Beverage Break
Location: Exhibit Hall (Calusa E-H)
sponsored by



Moderator: Maria Honeycutt, PhD, National Director for
All-Hazards Resiliency, AtkinsRéalis, Calverton, MD

8:30 am

City of West Palm Beach Currie Park Revitalization: Transforming Underutilized City-Owned Spaces for Living Shorelines

Gina Chiello, Senior Director, Cummins Cederberg, Inc.,
Jupiter, FL

8:50 am

Community-Based Co-Design Using Nature-Based Solutions to Meet Climate Change Challenges along Urban Hillsborough River, Tampa, Florida

Ping Wang, PhD, Professor, University of South Florida,
Tampa, FL

9:10 am

Resilience Metrics for Weighing Adaptation Decisions

Angela Schedel, PhD, PE, Director of Coastal Programs,
HDR, Jacksonville, FL; and Ana Carolina Coelho Maran,
PhD, PE, Chief of District Resiliency, South Florida Water
Management District, West Palm Beach, FL

9:30 am

Promising Practices for Effective Stakeholder Engagement

Janet Luce, Project Manager, AtkinsRéalis, Melbourne, FL

9:50 am

Integrating Community Resilience and Environmental Stewardship: "The Way Resilience Looks"

Forough Foroutan, Graduate Research Assistant,
University of Florida, Gainesville, FL

RESILIENCE STARTS WITH A

Wild Idea



Throughout the US and around the globe, wildlife corridors are a win-win solution for economy and ecology. Wildlife corridors provide valuable ecosystem services like water resource protection, flood abatement, healthy soils and clean air that all help improve resilience to climate change. The Florida Wildlife Corridor, an 18-million-acre wildlife superhighway, protects important habitat for the endangered Florida panther, Florida black bear, and many other species, and is critical to a healthy, sustainable, resilient Florida.

JOIN THE

Movement

TO PROTECT
WILD
FLORIDA

SIGN THE
PLEDGE
NOW



At Live Wildly, we aim to ensure nature is at the table for growth and development planning. We are committed to defining what nature can provide and developing solutions to ensure resiliency for people in the face of a changing climate.



LIVE WILDLY

Friday, September 13, 2024
10:40 am - 12:00 noon

CLOSING GENERAL SESSION
LOCATION: CALUSA BALLROOMS A-D

Moderator: Natalie Fausel, Partner, Anfield Consulting Group, Tallahassee, FL

10:40 am

What's Going on with the Weather?

David Zierden, Florida State Climatologist, Florida State University, Tallahassee, FL

11:00 am

The Planning and Resilience of Water Management in Florida

Moderator: Irela Bagué, Director of Governments and Water Resilience, Black & Veatch, Miami, FL

- Patrick Doty, Senior Planner/Resilience Coordinator, Southwest Florida Water Management District, Brooksville, FL
- Thomas Frick, Chief Resilience Officer, St Johns River Water Management District, Palatka, FL
- Ana Carolina Coelho Maran, PhD, PE, Chief of District Resiliency, South Florida Water Management District, West Palm Beach, FL
- Kathleen Coates, PhD, PE, Deputy Director, Resource Management Division, Northwest Florida Water Management District, Havana, FL
- Leroy Marshall, PE, Chief Professional Engineer, Office of Agriculture and Environmental Projects, Suwanee River Water Management District, Live Oak, FL

11:40 am

The Florida Wildlife Corridor and Climate Resilience

Joshua Daskin, Director of Conservation, Archbold Biological Station, Venus, FL; and Colin Polsky, PhD, Associate Vice President, Broward Campuses, Professor of Geosciences, Florida Atlantic University, Davie, FL

12:00 pm

Conference Adjourns

EASTMAN

AGGREGATE ENTERPRISES, LLC



- Truck Haul Beach Projects
- Tilling
- Screening/Remediation
- Escarpment Leveling
- Conveying
- Sand Shooting
- Wetland Restoration
- Beach Cleaning

561-969-7147 • EastmanAgg.com

3705 Bellevue Avenue • Lake Worth, FL 33461 • info@EastmanAgg.com

FRS
Fluidized Rock Systems



FluidizedRockSystems.com
Phone 561-969-7147



Surveying & Mapping Florida's Beaches Since 1986

Hydrographic / Topographic / Geophysical

Arc Surveying & Mapping, Inc.

www.arcsurveyors.com – 904.384.8377



FLORIDA SHORE & BEACH
PRESERVATION ASSOCIATION

A League of Cities and Counties on Beach and Coastal Issues



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE
featuring the 67th FSBPA Annual Meeting

Thank you to our Conference Sponsors!

Diamond-Level



Platinum-Level

CUMMINS | CEDERBERG
Coastal & Marine Engineering


GARCIA
FARMS • MATERIALS • DEVELOPMENT



moffatt & nichol

**WELLS
FARGO**

Gold-Level


APTIM

 **BLACK &
VEATCH**



 **Foth**
olsen

 **FREESE
AND
NICHOLS**



Vulcan
Materials Company

Silver-Level



Dewberry®



Kiewit

Bronze-Level



Humiston & Moore Engineers



Patron-Level



The National Conference On
Beach Preservation Technology



38TH ANNUAL TECH CONFERENCE

February 5-7, 2025 | Embassy Suites Panama City Beach



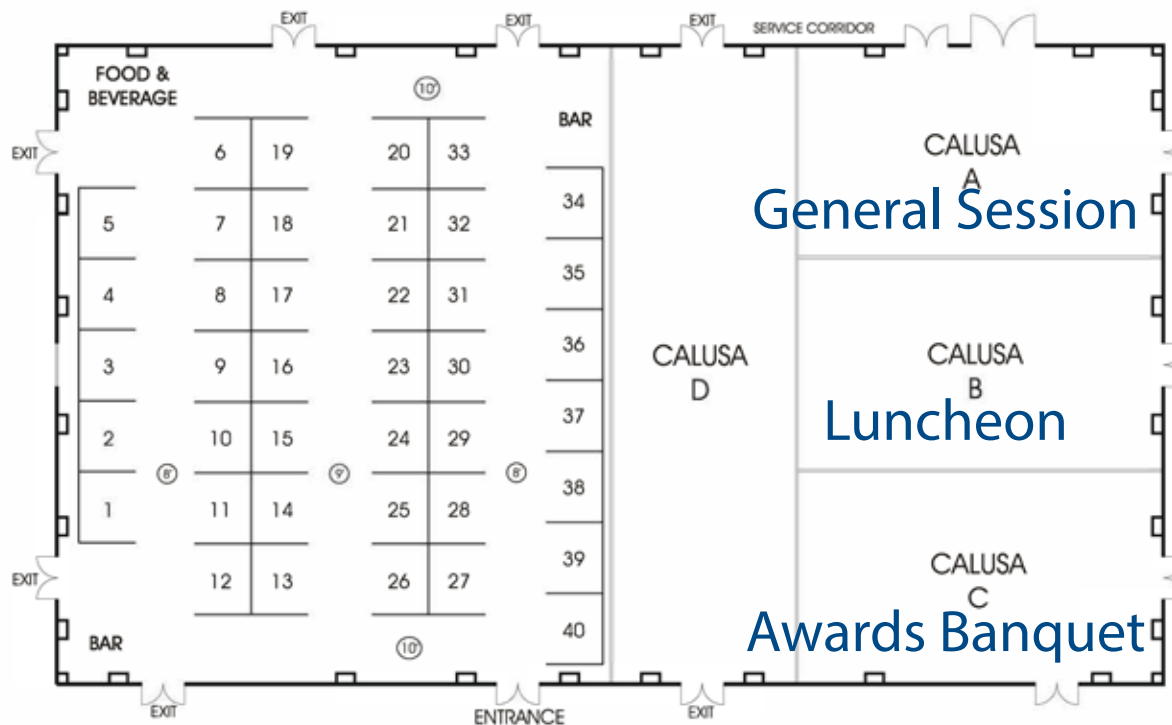
3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting

EXHIBIT HALL Calusa Ballrooms E-H

FLORIDA RESILIENCE CONFERENCE 2024

SEPTEMBER 11-13, 2024
HYATT REGENCY COCONUT POINT



APTIM
Booth #19

AquaTech Eco Consultants
Booth #36

Athena Technologies, Inc.
Booth #8

AtkinsRéalis
Booth #34

Bio-Tech Consulting
Booth #37

Black & Veatch
Booth #15

CEMEX
Booth #9

C-HAWQ
Booth #17

CSA Ocean Sciences, Inc.
Booth #7

Cummins Cederberg
Booth #26

EarthBalance Corporation
Booth #20

Eastman Aggregate Enterprises, LLC
Booth #2

Ecological Associates, Inc.
Booth #14

Ferguson Waterworks
Booth #30

Florida Power & Light
Booth #1

Forerunner
Booth #28

Foth | Olsen
Booth #12

FSC Tech
Booth #40

Geobrugg North America
Booth #10

Graef-USA Inc.
Booth #35

Hyatt Survey Services, Inc.
Booth #13

Industrial Fabrics, Inc
Booth #21

Jacobs
Booth #23

Live Wildly Foundation
Booth #33

Moffatt & Nichol
Booth #4

Petrotech Southeast, Inc.
Booth #5

Phillips & Jordan
Booth #32

R. H. Moore & Associates, Inc.
Booth #25

SDR
Booth #38

Sea & Shoreline LLC
Booth #39

**Shoreline Erosion Control
Solutions**
Booth #3

Stantec Consulting Services, Inc
Booth #11

Survtech Solutions
Booth #24

Tetra Tech, Inc.
Booth #16

The Florida Specifier
Booth #27

Truemont Materials
Booth #18

US Flood Control
Booth #29

Vulcan Materials Company
Booth #22

Whiteout Solutions
Booth #31

WSP
Booth #6



YOUR PARTNER FOR GREEN WATERWORKS SOLUTIONS



Space-Efficient
Storage



Filters and
Screens



Media and
Biofiltration



Alternative
Surfaces



Urban
Landscapes

Jessica Bruso

Green Stormwater Infrastructure Specialist

| Jessica.Bruso@Ferguson.com

FERGUSONGSS.COM

©2019 Ferguson Waterworks, LLC. All rights reserved.



Gold Sponsor

For the Biggest Forces of Nature — Discover the Combined Power of **Foth | Olsen**

You know **Olsen** as leaders in protecting private and public upland properties from beach erosion and coastal storm impacts. But bigger forces of nature call for bigger solutions.

Meet **Foth | Olsen**, now bringing even greater expertise to help solve the toughest marine and waterfront challenges nature can throw at you.



foth.com



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting

SPONSOR & EXHIBITOR PROFILES

APTIM Booth #19

Since 1984, Aptim Environmental & Infrastructure has provided professional coastal engineering, resiliency and climate change mitigation, coastal and marine hydrographic and geophysical surveys, and scientific services to its clients along the Atlantic and Gulf coasts of the United States. APTIM is one of the most experienced coastal engineering and environmental consulting firms in the nation, having designed, permitted, implemented and monitored over 100 coastal restoration and nearly 50 coastal structure projects and located/designed over 100 borrow area studies. The goal of the firm is to provide its clients all the comprehensive services needed to address their specific coastal management needs.

AquaTech Eco Consultants Booth #36

AquaTech Eco Consultants is dedicated to restoring the health of aquatic ecosystems through innovative, sustainable and science-based practices. We strive to create a healthy and balanced aquatic environment that supports the well-being of its surrounding communities. We are committed to providing expert guidance and support to our customers, partners and stakeholders in order to ensure the successful restoration of aquatic habitats.

Arc Surveying & Mapping, Inc.

Arc Surveying & Mapping (Arc) is a Professional Surveying and Mapping, Small Business, operating since 1979, and is headquartered in Jacksonville, Florida. Arc services federal, local, and private entities throughout the United States, territory of Puerto Rico, U.S. Virgin Islands and Caribbean, in the specialized fields of Hydrography, Land Surveying and Remote Sensing. The firm offers to its client's decades of experience and knowledge pertaining to the standards, technologies, and data presentation for charting of inland and coastal water bodies and their littoral land areas.

Athena Technologies, Inc. Booth #8

Athena provides vibracore services in support of shore protection and navigation projects throughout the Eastern United States and Caribbean.

AtkinsRéalis Booth #34

We're one of the world's leading professional services and project management organizations, dedicated to engineering a more resilient future for our planet and its people. With our talented and experienced team, we create sustainable solutions that connect people, data and technology to design, deliver and operate complex projects across Florida and the world. We leverage our capabilities to meet the demands of the future for our clients in decarbonization, sustainability, storm

response and resiliency. Everything we do is driven by our people and ideas which have created an inclusive, diverse and energized work environment founded on our values: SAFETY, INTEGRITY, COLLABORATION, INNOVATION, and EXCELLENCE.

ATM a Geosyntec company

Geosyntec is an employee-owned, private-equity-backed, practitioner-led firm. With a combined staff exceeding 2,600 engineers, scientists, and related technical and project support personnel, we serve our clients from more than 130 offices in the United States, Canada, the United Kingdom, Ireland, Sweden, Spain, Finland, the United Arab Emirates, Saudi Arabia, and Australia.

Bio-Tech Consulting Booth #37

Bio-Tech Consulting is a full-service environmental consulting firm founded in 2003.

Black & Veatch Booth #15

For over a century, Black & Veatch has been Building a World of Difference® and serving Florida since 1958. We deliver the results you need, when you need them, across every stage of the infrastructure lifecycle. Our expertise spans industries and focuses on enhancing the resilience of communities, infrastructure, and ecosystems to prepare for future uncertainties. With a commitment to sustainability and resilience, we support local, state, federal and private sector clients, ensuring that projects are not only successful but also sustainable for the long term.

CEMEX Booth #9

CEMEX is a global building materials company that provides high-quality products and reliable service. We operate 8 sand plants in Florida, Georgia, and South Carolina. Our premium beach sand will achieve successful beach restoration, encourage habitat growth, and support the environment. Our staff includes qualified QC professionals fully devoted to sand quality assurance.

C-HAWQ Booth #17

Coastal Habitat & Water Quality (C-HAWQ) is an initiative to provide meaningful, effective and affordable restoration of local marine environments and water quality in Florida's inland waterways. Through local government partnership, the initiative will fund, design and build innovative projects that improve water quality, create new habitat and provide storm resilience. C-HAWQ is planning to launch its flagship project with the City of Marco Island, FL in 2025.

SPONSOR & EXHIBITOR PROFILES

City of St. Augustine

St. Augustine is a city on the northeast coast of Florida. It lays claim to being the oldest city in the U.S., and is known for its Spanish colonial architecture as well as Atlantic Ocean beaches like sandy St. Augustine Beach and tranquil Crescent Beach. Anastasia State Park is a protected wildlife sanctuary. The Castillo de San Marcos is a 17th-century Spanish stone fortress with views of the St. Augustine Inlet.

Coastal Engineering Consultants, Inc.

Coastal Engineering Consultants is a diversified engineering and professional services corporation. We design workable alternatives to produce timely, cost-effective results in harmony with natural ecosystems. Our experienced professionals possess the knowledge, integrity, and resolve to change our environment and improve our daily lives and the communities in which we live. We are honored to have been selected by various state and federal governmental agencies to provide comprehensive services on projects of national significance.

Coastal Protection Engineering

Coastal Protection Engineering LLC (CPE) is a forward-thinking coastal engineering firm founded for the direct purpose of serving coastal communities with beach restoration and coastal protection expertise. We differentiate ourselves through a steadfast commitment to our clients and an uncompromising focus on technical excellence, professional expertise, and consistent delivery of high-quality work products.

CSA Ocean Sciences, Inc. Booth #7

CSA Ocean Sciences Inc. brings more than five decades of experience in marine environmental assessments in the US and internationally, with offices in the United States, the Eastern Mediterranean, Trinidad, Suriname, Brazil, and Australia. CSA's expertise in coastal, marine, and deep ocean surveys is built on the integration of science, operations, and an understanding of environmental data collection, management, and analysis within geospatial domains. For more information on CSA's range of marine environmental consulting services, please visit www.csaocean.com.

Cummins Cederberg, Inc. Booth #26

Cummins Cederberg is a premier engineering and environmental consulting firm renowned for expertise in coastal resiliency. Specializing in complex coastal and marine engineering solutions, the company has grown to become one of the largest Florida-based firms in their field, with over 65 employees and six offices across the state. Our team is composed of highly skilled technical leaders in coastal and marine engineering, resiliency, waterfront planning, regulatory permitting,

environmental resource surveys, grant and funding support, and construction support services. Our extensive experience and commitment to innovation position us as leaders in fortifying and sustaining coastal communities against the challenges of a changing environment.

Dewberry Engineers, Inc.

As a leader in the field of emergency management and resilience, Dewberry has supported communities for more than 40 years to advance risk reduction and design thriving spaces that are adaptable to the changing climate. Dewberry helps communities build a culture of preparedness with realistic adaptation strategies; we also provide full-service engineering, architectural design, and construction management.

E. R. Jahna Industries, Inc.

American owned and independently operated, E.R. Jahna Industries has been a leading supplier of construction aggregate materials to Florida for over 70 years. Whether it be beach re-nourishment, concrete products, golf course sand, manufacturing, or infrastructure, E.R. Jahna Industries has and will continue to be your trusted source for high quality and reliable aggregate products.

EarthBalance Booth #20

EarthBalance™ is an ecosystem restoration and environmental consulting firm delivering on environmental stewardship through ecological protection measurements that include the restoration, stabilization, and conservation of large-scale natural areas to support the health of natural environments throughout the United States and U.S. Virgin Islands.

Eastman Aggregate Enterprises, LLC Booth #2

Eastman is a leader in Beach and Dune Renourishment/Restoration. From small 600 cubic yard projects, to projects over a million tons, Eastman has done it all. We have an unparalleled reputation as the leader in truck haul beach projects. Clients range from the US Army Corps of Engineers, to State, Counties and Local Municipalities to Developers, HOAs and Individual Property Owners. Eastman has completed dozens of successful beach projects and placed over seven million tons of approved beach sand.

Ecological Associates, Inc. Booth #14

EAI is an environmental services company focused on environmental science and biological field data collection in support of local, state, and federal regulations.



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting

SPONSOR & EXHIBITOR PROFILES

Ferguson Waterworks Booth #30

Ferguson Waterworks is more than pipes, valves, and fittings. We also distribute solutions for all stormwater needs- from alternative surfaces, filters and screens, nutrient reducing medias, and other specialty green infrastructure products to geo and erosion control solutions. We are a one-stop-shop for infrastructure projects large and small- commercial, multi or single family, municipal, streetscapes, and everything in-between. In addition to our extensive product inventory, we offer a comprehensive suite of services to streamline your green infrastructure ideation and implementation. These complimentary services include design assistance, jobsite support, new product development and municipal, developer and public engagement.

Forerunner Booth #28

Forerunner's software equips governments with dynamic tools to better manage flood risk and increase resilience in a rapidly changing world.

Foth|Olsen Booth #12

Since 1982, Olsen Associates has been a leader in coastal engineering throughout the southeast United States and beyond. Having recently joined forces with Foth, the two firms have combined their strengths to provide unparalleled client service offerings, enhance employee growth opportunities, and expand geographic reach. Founded in 1938, Foth is an employee-owned science and engineering consulting firm that delivers technical solutions for public and private clients around the globe. Professional services are focused in areas of infrastructure, environmental engineering and science, and production manufacturing engineering. Foth is headquartered in Green Bay, Wisconsin, with more than 650 employee-members across 29 locations.

Florida Power & Light Company Booth #1

As America's largest electric utility, Florida Power & Light Company (FPL) serves more customers and sells more power than any other utility, providing clean and reliable electricity to approximately 5.9 million accounts, or more than 12 million people. The FPL team is committed to powering strong communities, making them even better places to live, work and raise a family. FPL appreciates the opportunity to serve its customers and make a difference together.
www.FPL.com

Freese and Nichols, Inc.

Freese and Nichols, Inc. plans, designs and manages infrastructure projects with a focus on innovative and sustainable solutions. Since our firm was founded in 1894, we have put relationships first, fostering long-term, mutually beneficial associations with clients, teaming partners and staff. We help clients through all stages of the project life cycle: planning, design, program management, funding procurement, regulatory and environmental compliance, construction management, and operations and maintenance.

FSC Tech Booth #40

FSC is licensed with the University of Miami to market and sell the SeaHive coastal protection and marine habitat enhancement product developed by the University. FSC provides a cost effective method to reinforce the product and provide high strength at a lower cost.

The Garcia Companies

Garcia Mining Company is a 600-acre sand mining facility that is an integral part of the 15,000-acre Garcia Farms in rural south central Florida, Hendry County. Specializing in beach nourishment projects as well as a wide range of specialty products, the sand operation features state-of-the-art technology and tracking, exceptional quality control, and a highly qualified team. Its central location makes it a convenient and vast resource for both coasts as well as all areas of South Florida.

Geobruigg North America Booth #10

Geobruigg provides high-tensile steel wire nets and customized services to monitor and defend against natural hazards, including rockfall, landslides, debris flows, avalanches, and coastal erosion.

Graef-USA Inc. Booth #35

GRAEF, formerly ECE-a GRAEF Company, is a full-service E/A firm that provides coastal engineering services through the US and the Caribbean.

Great Lakes Dredge & Dock

GLDD is the largest provider of dredging services in the USA, with over 130 years of history and has completed international projects on six continents. We own and operate the largest and most diverse fleet in the U.S. market, with approximately 200 specialized vessels. Employee safety is paramount to GLDD and our work environment. We are devoted to an Incident-and Injury-Free® (IIF®) safety management program that is integrated into all aspects of our culture.

SPONSOR & EXHIBITOR PROFILES

Halff Associates, Inc.

Welcome to Halff, the infrastructure consulting firm planned, designed, engineered, constructed—and purposed—for people. Since 1950, we've been creating smart solutions that improve lives and communities by turning ideas into reality.

HNTB Corporation

For more than a century, we've been helping connect people and places by designing and advancing transportation infrastructure. HNTB is committed to enhancing mobility, opportunity and quality of life for everyone through responsive, innovative solutions.

Humiston & Moore

Humiston & Moore Engineers (H&M) is a professional engineering firm located in Naples, Florida specializing in the field of coastal engineering since 1991. H&M has provided highly specialized engineering services along Florida coastlines and inlets for over three decades. These services included a wide variety of technical studies, coastal project designs, and implementation of sustainable solutions to coastal engineering problems. In addition to coastal engineering, H&M has a unique technical expertise in coastal geology, environmental engineering, project management, and capabilities to provide valuable perspective to unique coastal challenges.

Hyatt Survey Services, Inc. Booth #13

Hyatt Survey Services, Inc. is a full-service certified woman-owned professional surveying and mapping company with a professional staff possessing extensive surveying experience. Hyatt Survey Services is also a certified W/MBE with the State of Florida Office of Supplier Diversity, and DBE with the Florida Department of Transportation.

Industrial Fabrics, Inc Booth#21

Industrial Fabrics, Inc. (IFI) manufactures the BaseLok® line of geosynthetic products. Based in Houston, TX, BaseLok® is the only manufacturer who produces punched and drawn geogrids, geocells, and laminated geogrid products. This diversity allows our staff of professional engineers to provide solutions that match the project needs, not our manufacturing limitations. BaseLok® products are used in numerous applications from base stabilization to retaining walls to erosion control. IFI has over 40 years of experience providing expertise in the geosynthetics markets. Let us partner with you on your next project.

Jacobs Booth #23

Jacobs is a global A/E firm with approximately \$16B annual revenue that is focused on Challenging today and reinventing tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission critical outcomes, operational advancement, scientific discovery and industry leading manufacturing, turning abstract ideas into realities that transform the world for good.

Lewis, Longman & Walker, P.A.

For over 30 years, the attorneys at LLW have helped the individuals, businesses and governments that have shaped Florida's future. We offer solutions to issues associated with complex local, state, and federal laws and regulations. We focus on the specific, technical and seemingly ever-changing areas of Environmental, Land Use, Legislative and Governmental Law. We are committed to responding to clients' needs promptly and economically and believe in building long-term attorney-client relationships based upon collaboration and solid performance. LLW is a proud long-time supporter of FSBPA. Learn more at LLW-LAW.com or contact attorney Frederick L. Aschauer, Jr., at faschauer@llw-law.com.

Live Wildly Foundation Booth #33

Live Wildly Foundation applies an entrepreneurial approach to the conservation of half the State of Florida while seeking to balance smart growth, a robust economy and a connected, resilient landscape. Utilizing an approach that is positive, pragmatic, and productive, our organization advances conservation in Florida by creating diverse coalitions, fostering collaboration, and empowering stakeholders.

Manson Construction

Manson Construction Co. was founded in 1905 as a small pile-driving business supporting the early development of Seattle's waterfront. Today, Manson's legacy of quality marine services continues to grow at locations throughout North America. We bring innovative solutions and engineering expertise to high-profile infrastructure and energy projects. With every job, Manson rises to the occasion to meet the ever-evolving, complex marine infrastructure needs of North America and the global community.



3rd ANNUAL FLORIDA RESILIENCE CONFERENCE

featuring the 67th FSBPA Annual Meeting

SPONSOR & EXHIBITOR PROFILES

Michael Baker International

Michael Baker International is at the forefront of preparing communities to be more resilient to severe weather and climate change-related threats. Our planners, engineers and technical experts work closely with clients to assess risks and vulnerabilities to critical infrastructure, systems and assets that may be impacted by climate hazards like flooding, sea level rise, and heat. We develop mitigation and adaptation strategies, and engineer, design and build the solutions, enabling our clients to be more prepared to respond to and recover from climate-related threats today and tomorrow.

Moffatt & Nichol Booth #4

Moffatt & Nichol is a leading global infrastructure advisory firm that provides engineering and consulting services in the marine terminal, transportation, energy, environmental, federal, and urban development markets, and specializes in the planning and design of solutions that shape our coastlines, rivers, and harbors.

Morgan & Eklund, Inc.

Florida Land and Hydrographic Survey Firm with over 38 years of experience.

Norfolk Dredging Company

Norfolk Dredging Company has been building beaches since 1899.

Petrotech Southeast, Inc. Booth #5

Petrotech Southeast, Inc. is a leading provider of environmental services, specializing in the petrochemical and manufacturing industries. With a focus on safety and efficiency, Petrotech offers a range of services including chemical cleaning, hydroblasting, and waste management solutions. The company is committed to environmental sustainability, employing advanced technologies to minimize impact and ensure regulatory compliance. Petrotech Southeast, Inc. is dedicated to delivering high-quality services that enhance operational performance for its clients.

Phillips & Jordan Booth #32

Phillips & Jordan has more than 20 years of experience building resiliency in coastal communities through beach renourishment efforts. Our earth moving and heavy civil construction expertise coupled with our disaster response experience make us uniquely qualified to perform these services. Whether it's emergency repairs following a storm event or shoring

up to prepare for the next one, the P&J team is ready to strengthen your shoreline and maintain your beaches for the future.

R. H. Moore & Associates, Inc. Booth #25

We specialize in Soil Stabilization and Erosion Control, representing the industry's leading manufacturers of Erosion Control Systems and Products. We have been serving Florida's engineers, municipalities and contractors with our experience and expertise since 1982. R. H. Moore & Associates, Inc. maintains a huge inventory of FDOT approved products that can be delivered the same day, if needed. GEOWEB, geotextiles, geogrids, straw/coconut blankets, turf reinforcement mats, stormwater chambers, turbidity barriers, silt fence, floc logs, rock bags, sand bags, geohay, curb inlet protection, dewatering bags, and wattles are just some of materials that we have ample supplies of.

SDR Booth #38

SDR assists communities and regions with proven disaster debris management, expert utility vegetation management and dependable civil construction services. Our team makes the impossible possible—through hands-on project management, exemplary safety practices, extraordinary work ethic and steadfast integrity—so communities can quickly thrive and grow.

Sea & Shoreline LLC Booth #39

Sea & Shoreline, LLC is a Florida-based aquatic restoration firm with two decades of experience restoring fresh and saltwater habitats to healthy and self-sustaining ecosystems.

Shoreline Erosion Control Solutions Booth #3

Shoreline Erosion Control Solutions is a marine engineered, patented product that stops erosion and saves money over the lifespan of the product compared to traditional seawalls, bulkheads and breakwaters. It builds and protects beach, native plants and creates living reefs while it supports nature based solutions.

Stantec Consulting Services, Inc. Booth #11

Stantec delivers innovative solutions for waterfront and port facilities, waterways and inlets, offshore infrastructure, and coastal communities. Understanding coastal processes and their interaction with the built environment, we offer full services in coastal engineering and design - from feasibility studies and cost/benefit analysis to design,

SPONSOR & EXHIBITOR PROFILES

permitting, and construction monitoring. Stantec is a leader in environmental disaster planning, mitigation, and response at the federal, state, and local levels.

Stewart Materials

Privately held since 1982, Stewart Materials is one of Florida's largest suppliers of inland-sourced, processed aggregate, sand and rock materials. These materials advance and enhance Florida infrastructure and tourism. Specifically, renourishing, and nourishing beaches and golf courses, supplying roadway and all forms of construction, and in applications as diverse as athletic fields, state and federal park installations, wildlife habitats and water preservation and restoration projects. Processing customizes materials to meet virtually any published specification. These same processes work to preserve and sustain the environment.

Survtech Solutions Booth #24

SurvTech Solutions (SurvTech) is a premier geospatial firm with commercial surveying company roots. Headquartered in Tampa, Florida.

TECO

TECO Energy, an Emera Company, is built on a foundation of more than 125 years of history and is headquartered in Tampa and provides electric and natural gas services across Florida. With a strong commitment to sustainability and community engagement, TECO focuses on energy efficiency, environmental stewardship, and customer satisfaction.

Tetra Tech, Inc. Booth #16

With 28,000 associates working together, Tetra Tech is a leading provider of disaster recovery consulting, engineering, program management, construction management, and technical services. Through decades of experience supporting pre- and post-disaster operations, Tetra Tech helps inform critical decision-making and navigate the complex continuum of impacts from human-caused and natural events. Our service portfolio includes the full spectrum of emergency management services, including mitigation, prevention, preparedness, response, and recovery. For more information, please visit www.tetrattech.com/disasterrecovery.

The Florida Specifier Booth #27

The Florida Specifier has been an environmental news-focused source in Florida since 1979. Under the new ownership of Specifier Publishing, we are committed to improving the quality and relevance

of our news coverage and providing our readers with even more opportunities to engage with environmental content. Our newspaper is published six times yearly and reaches a wide audience, including advertisers, government entities and regulators, environmental firms, trade associations, and the general public. Our team of writers publish original news content and opinions, summarize news releases and stories for readers, in addition to content submissions from various sources. We look forward to continuing to serve as a valuable resource for environmental professionals and enthusiasts in Florida.

Truemont Materials Booth #18

A precast concrete manufacturer in Florida. Protecting communities from storms and flooding creates unique challenges for engineers and contractors. And when it comes to water, not all walls are created equal. Learn about why communities trust Redi-Rock by Truemont for their marine applications.

US Flood Control Booth #29

The FM Approved TIGER Dam flood control technology system is changing the approach to preserving infrastructure by protecting buildings, keeping interstates and highways accessible, and allowing utilities to function during storms.

Vulcan Materials Booth #22

Vulcan Materials Company is the nation's largest producer of construction aggregates—primarily crushed stone, sand and gravel—and a major producer of aggregates-based construction materials, including asphalt and ready-mixed concrete. Our coast-to-coast footprint and strategic distribution network align with and serve the nation's growth centers.

Weeks Marine - Kiewit

Kiewit is one of North America's largest and most respected construction and engineering organizations. With roots dating back to 1884, the employee-owned organization operates through a network of subsidiaries in the United States, Canada, and Mexico. Kiewit offers construction and engineering services in a variety of markets including transportation; oil, gas and chemical; power; building; water; industrial; and mining. Established in 1919, Weeks Marine draws on over a century of successes to create the most effective and innovative solutions in marine construction, dredging, marine services, tunneling and aggregates, combined with the best-in-class equipment. At the start of 2023, the Weeks



SPONSOR & EXHIBITOR PROFILES

organization was acquired by Kiewit Corporation to become wholly-owned subsidiaries of Kiewit. For more than 20 years, Weeks Marine and Kiewit have partnered to successfully deliver many high-profile projects together.

Wells Fargo & Company

Wells Fargo & Company is a leading financial services company that has approximately \$1.9 trillion in assets. We provide a diversified set of banking, investment and mortgage products and services, as well as consumer and commercial finance, through our four reportable operating segments: Consumer Banking and Lending, Commercial Banking, Corporate and Investment Banking, and Wealth & Investment Management. Wells Fargo ranked No. 34 on Fortune's 2024 rankings of America's largest corporations. In the communities we serve, the company focuses its social impact on building a sustainable, inclusive future for all by supporting housing affordability, small business growth, financial health, and a low-carbon economy.

Whiteout Solutions Booth #31

Whiteout Solutions is a geospatial company focused on collecting remote sensed data with UAV and Helicopter, processing & delivering geospatial data through our geoSAP software solution. We provides our customers and engineering partners deep support in their mission to engineer solutions for resilient communities amidst climate change impacts. Leveraging the best technology, valid science and creative solutions, we can build a more resilient future.

WSP Booth #6

WSP is a global company that delivers organizational and infrastructure resilience throughout the project lifecycle, including climate risk assessment, adaptation planning, funding and financing, engineering design, construction management, and disaster response and recovery.



Investing in our environment.

At Jacobs, we're passionate about driving positive change for our planet and our people. As a global leader in sustainability and environmental solutions, we're responding to worldly challenges — from decarbonizing our cities to protecting our environment, we create climate-resilient and adaptive solutions to improve quality of life for all our communities and their inhabitants.

**We're shaping a greener,
more sustainable tomorrow.**

Follow us @JacobsConnects | [jacobs.com](https://www.jacobs.com)

in    

Jacobs

Challenging today.
Reinventing tomorrow.



EarthBalance[®]

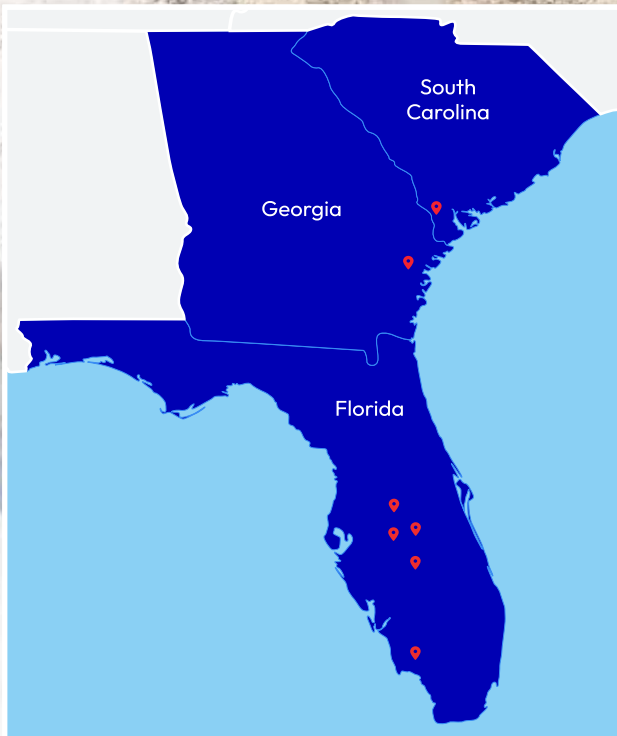
BEACH PLANTING, NATIVE NURSERY,
EXOTIC VEGETATION REMOVAL

www.earthbalance.com
888.536.2853
info@earthbalance.com



High-Quality Beach Sand

Premium upland sand sourcing to achieve successful beach restoration, enhance shoreline protection, and support the environment.



A Network of Established Sand Operators

South Carolina

Deerfield

Georgia

Union

Florida

474

Davenport

Gator

Lake Wales

Immokalee

Contact us at beachsands@cemex.com for more information

cemexusa.com

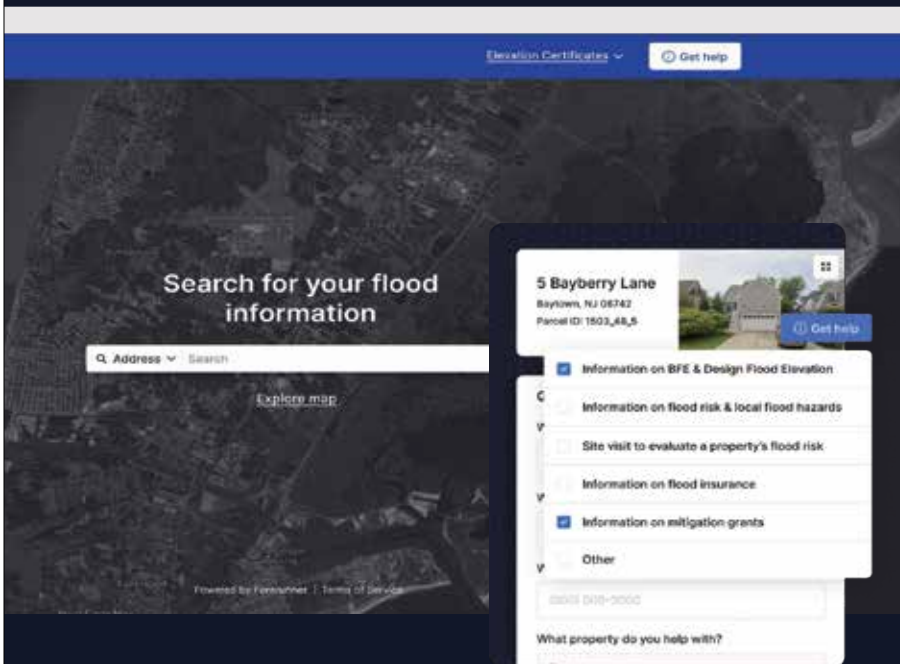
WHERE LAND MEETS WATER

CRAFTING RESILIENT SHORES WITH EXPERT SOLUTIONS



moffatt & nichol

moffattnichol.com



Forerunner is your community's flood resilience platform.

Forerunner can help you enforce floodplain compliance, inform residents of regulatory requirements, and plan more effectively for the future.

withforerunner.com | hello@withforerunner.com

 FORERUNNER

Woman Owned
Small Business



Hyatt SURVEY

Geographic Data Specialists



Hyatt-Survey.com

2012 Lena Road, Bradenton, FL 34211 (941) 748-4693



SUSTAINABLE SOLUTIONS

to improve water quality
and protect our coastlines
against severe storms



We're on a mission to restore Florida's water bodies and provide innovative green and gray solutions that make our coastal communities more resilient. Our scientifically validated multitrophic solutions include seagrass restorations, living shorelines, wave attenuation units, vacuum muck removal, shoreline stabilizations, rip rap, hybrid reefs, vegetated retaining walls, and project design, permitting, and funding.



BOOTH
39

VISIT OUR BOOTH

September 11-13, 2024

at the Florida Resilience
Conference, Bonita Springs, FL

For more information, please visit seaandshoreline.com



NATURAL SAND SUPPLY | BULK DISTRIBUTION

SOUTH FLORIDA'S PREMIERE NATURAL SAND SOURCE

CENTRAL
LOCATION

EASY
ACCESS

FT LAUDERDALE	• 72 MILES
HOLLYWOOD	• 74 MILES
FT MYERS BEACH	• 76 MILES
NAPLES	• 76 MILES
SANIBEL-CAPTIVA	• 81 MILES
DEERFIELD BEACH	• 83 MILES
BOCA RATON	• 86 MILES
HILLSBORO BEACH	• 86 MILES
SURFSIDE	• 87 MILES
MIAMI BEACH	• 92 MILES
KEY BISCAINE	• 96 MILES



GARCIA MATERIALS

GARCIA

SOUTH FLORIDA'S PREMIER NATURAL SAND SOURCE

SERVING SOUTH FLORIDA FROM COAST TO COAST

863.902.9777 | GARCIAMINING.COM | 6605 GARCIA DRIVE | CLEWISTON FL 33440

SARAH MORAWA 561.635.3951 | KAL DANIEL 561.657.3752
DIRECT SALES 863.902.9777 | INFO@GARCIAMINING.COM