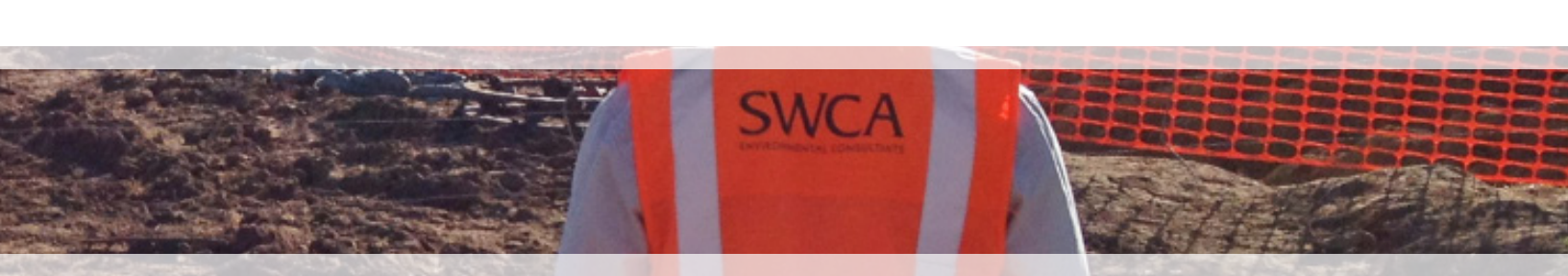




# SOUTHEASTERN PIPELINE PERMITTING AND COMPLIANCE

ALABAMA, GEORGIA, FLORIDA, & MISSISSIPPI



## SUPPORTING OUR CLIENTS IN THE SOUTHEAST

The SWCA Environmental Consultants (SWCA) offices in the southeastern United States, combined with distributed staff working from locations throughout, Alabama, Georgia, Florida and Mississippi, provide our oil and gas and overall energy generation clients with a local team of experienced project managers and subject matter experts who have a large portfolio of project experience focusing on major pipeline expansion, pipeline operations and maintenance (O&M) projects, and renewable generation. Our southeast staff has decades of experience working with key regulatory issues at the federal, state, and local levels for oil and gas projects; this gives us the ability to provide well-informed, strategic, and defensible expertise and work products to our clients. Our regional team uses their portfolio of experience to minimize uncertainty or risks on oil and gas and renewable generation projects to ensure schedules can be maintained by identifying potential issues early in the process.

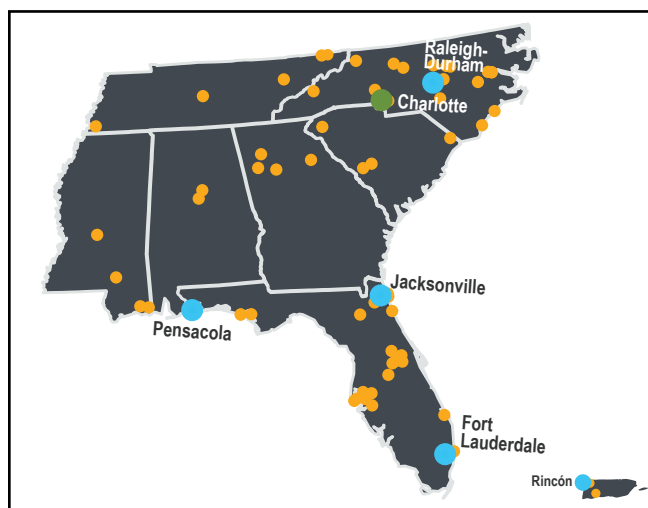
SWCA is uniquely qualified to provide our southeastern oil and gas and renewable generation clients with first class environmental consulting services for its existing and planned energy infrastructure systems. Key qualifications of our team include the following:

- **Oil and Gas Project Experience** | Multiple ongoing O&M and infrastructure expansion projects in Florida, Alabama, Georgia, and Mississippi, providing our clients with current experience and an understanding current permitting intricacies.
- **Wetland Permitting** | Project managers and permitting experts with knowledge of federal and state wetland permitting requirements, in the southeast United States, including those states requiring in-depth experience and knowledge such as Florida and Georgia.
- **Protected Species Biology** | Experience with federal and state wildlife agencies including the U.S. Fish and Wildlife Service (USFWS) Field Offices, and state offices for natural resources and wildlife.
- **Cultural Resources** | Recent experience with Florida, Alabama, Georgia, and Mississippi-specific cultural resources requirements and investigation experience.
- **Landowner** | Understanding of landowner concerns such as agricultural, visual, timber, or hunting lease impacts with project developments.
- **New Technology** | Technology-based solutions in GIS, drone surveys, and artificial intelligence.

### STORMWATER SERVICES

SWCA has experience with stormwater inspection services including being able to provide Level I inspections and Level II Stormwater Pollution Prevention Plan review and approval services in Georgia, as well as an approved Certified Professional in Erosion and Sediment Control in Alabama.

Figure 1. SWCA offices and distributed employees in the southeastern United States near Southern Company assets.



- SWCA Offices
- SWCA Distributed Employees
- Engineering services provided through SWCA Environmental Consulting & Engineering, Inc. an affiliate of SWCA



## LOCAL STAFF EXPERTISE:

- Knowledgeable and highly experienced staff in the southeastern United States with specific knowledge of routing and siting considerations for energy projects.
- Wetland delineators with a demonstrated understanding of the U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and applicable Regional Supplements, including the Florida Department of Environmental Protection (FDEP) Uniform Mitigation Assessment Method.
- Biologists experienced in protected species surveys including, but not limited to, the Southeastern American kestrel; grasshopper sparrow; burrowing owl; gopher tortoise; eastern indigo snake; red-cockaded woodpecker; northern long-eared, gray, and Indiana bats; numerous salamander species; and aquatic invertebrates.
- Southeastern U.S.-based certified arborist that can perform county and/or municipal required tree inventory surveys.
- Archaeologists and Historic Preservation Specialists experienced in National Historic Preservation Act and Section 106 requirements with experience throughout the southeast state State Historic Preservation Offices
- Southeastern U.S.-based, experienced construction environmental inspection and compliance monitors, including stormwater, erosion, and sedimentation control inspectors; National Oceanic and Atmospheric Administration-qualified protected species observers; and terrestrial biological monitors.
- Operations and maintenance team experienced in identification and descriptions of sensitive resources along existing pipeline systems, review of operations-related permit conditions, and consideration and restrictions for sensitive resources during operations activities.



*Gopher tortoise*



*Northern long-eared bat*



*Flatwoods salamander*



*Eastern indigo snake*



*Red-cockaded woodpecker*



## MEET THE SWCA TEAM



**DAVID A. CRAWLEY, JR.**  
**Office Director - Pensacola**  
**21 years of experience**

*David.Crawley@swca.com*

A Florida native and life-long resident living in Gulf Breeze, Mr. Crawley serves as team lead for SWCA's Pensacola office. His expertise includes attaining environmental permits, clearances, and approvals necessary for projects to move into construction. This includes extensive experience working with federal and state agencies in the southeast such as the Federal Energy Regulatory Commission (FERC), USACE, USFWS, and various state agencies in Florida, Mississippi, Alabama, and Georgia.

**Mr. Crawley specializes in siting, design, environmental permitting, construction oversight, and post-construction monitoring for energy development projects, specifically pipelines. He has worked on hundreds of energy projects in the Southeast, including large-scale, new pipeline developments and many natural gas pipeline operations and maintenance projects throughout Florida, Georgia, Alabama, and Mississippi. He also has completed offshore energy siting studies off the Florida Atlantic coast, and several energy development projects in the Outer Continental Shelf area of the Gulf of Mexico.**



**STEPHANIE HUDGINS**  
**Vice President - Power & Energy**  
**20 years of experience**

*Stephanie.Hudgins@swca.com*

Mrs. Stephanie Hudgins has over 20 years of experience in environmental consulting and serves as the Vice President for Power and Energy at SWCA. Mrs. Hudgins supports a variety of SWCA's business lines including Transmission, Generation, Mining, Oil & Gas, Land Development, and Water.

**Mrs. Hudgins has experience working in the natural gas and products pipelines, power, energy, renewables, water resources, mitigation/conservation banking, and private development industries. She prepares high level budgets, feasibility assessments, and constraints analyses for these industry projects. She has managed multidisciplinary teams that involved FERC-regulated projects, Section 7 protected species consultations, USACE, state and local permitting, and biological field surveys. She has vast knowledge of surveying and permitting for listed species that occur throughout Florida and the southeastern United States. She has supported clients in obtaining Incidental Take Permits (ITP) from the Florida Fish and Wildlife Commission (FWC) and Biological Opinions from the USFWS Service Region 4.**



**MIKE GARTMAN**  
**Senior Project Manager**  
**22 years of experience**

*Michael.Gartman@swca.com*

Mr. Gartman is a Gulf Coast native, having grown up in the Pensacola area and being a current Pensacola resident. He is a Senior Project Manager in SWCA's Pensacola Office and a certified Project Management Professional (PMP). His expertise includes serving as project manager for numerous FERC pipeline and export facilities and other non-FERC regulated energy infrastructure projects. These projects required leadership to coordinate and collaborate with numerous federal and state agencies including FERC, U.S. Coast Guard (USCG), the USACE Districts, and USFWS Field Offices in the southeastern United States.

**Mr. Gartman specializes in engineering design, land use planning, facility siting, aquatic resources management, and federal and state permitting. He manages and provides expertise for the development of environmental assessments (EAs), environmental impact statements (EISs), and environmental reports, related to the siting and resource management of the onshore and offshore energy markets. He also has expertise in public outreach, FERC applications, Maritime Administration, and USCG Deepwater Port (DWP) applications, U.S. Department of Energy regulations, and various regulatory compliance evaluations and their engineering requirements.**





**RACHEL BELL**  
**FERC Director**  
**17 years of experience**

*Rachel.Bell@swca.com*

A life-long Alabama resident currently living outside of Birmingham, Ms. Bell was recently promoted to Project Management Technical Director - FERC. She is a certified Project Management Professional (PMP) with a focus on National Environmental Policy Act (NEPA) compliance for energy projects. Ms. Bell has experience preparing NEPA documents including environmental reports (ERs), EAs, EISs. She has substantial experience with Endangered Species Act (ESA) Section 7 consultation, USACE Clean Water Act (CWA) Section 404 and Section 10 Rivers and Harbors Act (RHA) permitting, CWA Section 401 Water Quality Certifications, National Pollutant Discharge Elimination System (NPDES) stormwater permitting and compliance, NPDES hydrostatic test permitting and compliance, state and local permitting, wetland delineations, and protected species surveys.

**Ms. Bell's relevant experience includes project management, siting, design, NEPA compliance, environmental permitting, environmental training, and construction and post-construction oversight and compliance for energy projects throughout the southeast, including pipelines, compressor stations, solar developments, hydroelectric facilities, and nuclear facilities.**

**BRENT HANDLEY**  
**Cultural Resources Team Lead**  
**29 years of experience**

*Brent.Handley@swca.com*

As a Cultural Resource Team Lead, Mr. Handley supervises all phases of cultural resource assessment, including logistical organization, daily field operations, primary and background research, artifact analysis, faunal analysis, and the writing of final reports. Previous cultural resource management projects have included cultural resource assessment surveys (CRAS), pipeline and transmission line testing, monitoring, test excavations, block excavations, above ground historic surveys, remote sensing, and predictive modeling. These types of surveys have been completed in Alabama, Arizona, Connecticut, Florida, Georgia, Maine, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, Rhode Island, South Carolina, and Tennessee. These projects have been successfully completed for clients such as the federal, state, and local governments, as well as for telecommunication companies, public utility companies, and various private engineers and developers.

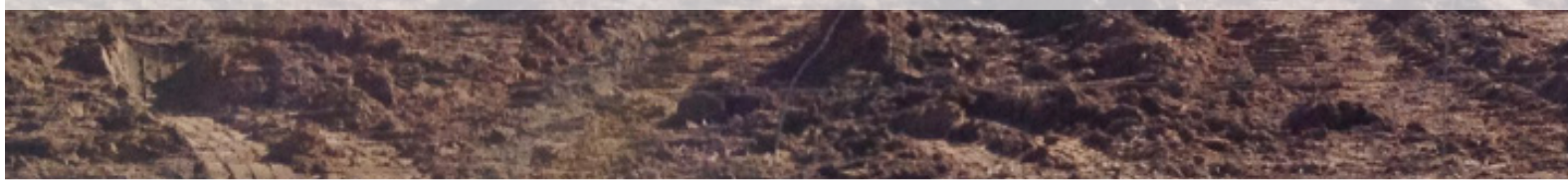
**Mr. Handley is a registered professional archaeologist (RPA) and Secretary of Interior (SOI) qualified archaeologist with 30 years of experience in academic research and cultural resource management projects. These projects include NEPA review, EAs, EISs, Section 106 consultation, and permitting through federal, state and local agencies.**

**CHRISTINA PILLA**  
**Project Manager**  
**9 years of experience**

*Christina.Pilla@swca.com*

Ms. Pilla has educational, professional, and field experience with aquatic and terrestrial ecology throughout ecosystems of the southeastern United States. She has worked on a broad range of interdisciplinary projects in cooperation with federal agencies such as the USFWS, USACE, and the FERC, as well as state agencies and private developers.

**Ms. Pilla's primary responsibilities include preliminary site assessments, listed species surveys and permitting, biological monitoring, aquatic resource assessments, construction monitoring, coastal assessments, wildlife relocations, wetland delineations and assessments, ecological site assessments, environmental permitting, and data management.**



## ENERGY PROJECT EXPERIENCE

### SABAL TRAIL PROJECT; ALABAMA, FLORIDA, GEORGIA

#### SABAL TRAIL TRANSMISSION, LLC

SWCA team members worked extensively on Sabal Trail Transmission, LLC's Sabal Trail Project prior to joining the SWCA team. Team members provided management and technical support for the preparation of FERC Environmental Reports, Application for Easements Over State-owned Uplands for the State of Florida, Migratory Bird Conservation Plan, Project Implementation Plan, Environmental Inspection and Construction Compliance, post-filing support, and maintained the five-year wetland and waterbody post-construction monitoring report requirements for the USACE and FDEP. SWCA is currently assisting Sabal Trail Operations with O&M activities along its existing pipeline system.

### TRANSMISSION PIPELINE OPERATIONS AND MAINTENANCE PROJECTS; FLORIDA AND GEORGIA

#### KINDER MORGAN

Mr. Gartman serves as SWCA's program manager for environmental services of operations and maintenance projects for the numerous pipeline systems in Florida and Georgia controlled by Kinder Morgan. Duties include project management; federal, state, and local environmental permitting and consultation; wetland delineations; protected species surveys; migratory bird nesting surveys; development of construction procedures, revegetation, and restoration plans. These projects often have limited timelines before commencement of construction, requiring close and consistent interaction with Kinder Morgan, which is essential to ensuring successful project outcomes.

### PIPELINE OPERATIONS AND MAINTENANCE PROJECTS; FLORIDA, ALABAMA, MISSISSIPPI, AND LOUISIANA

#### FLORIDA GAS TRANSMISSION

Mr. Crawley served as program manager of this multi-state contract providing environmental services for operations and maintenance projects along Florida Gas Transmission's existing pipeline rights-of-way. Duties included project management; federal, state, and local environmental permitting and consultation; wetland delineations; protected species surveys; gopher tortoise relocations; development of construction procedures, revegetation, and restoration plans; determining permit mitigation requirements; and post construction revegetation monitoring. This often included overseeing multiple projects simultaneously and ensuring that the client received consistent and quality service for the project.

### SOUTH SYSTEM 2022 PROJECT; ALABAMA

#### SOUTHERN NATURAL GAS COMPANY, LLC

Proposed pipeline looping project involving the submittal of a FERC Prior Notice Blanket Certification. The project includes installation of approximately 3.0 miles of 36-inch diameter pipeline loop, installation of a crossover header, and relocation of a pig launcher. In addition to environmental field surveys and reporting, federal and state agency consultations and permitting, and development of the FERC Resource Reports.

### DALTON EXPANSION PIPELINE REPLACEMENT; ALABAMA AND GEORGIA

#### SOUTHERN NATURAL GAS COMPANY, LLC

Pipeline replacement project involving the submittal of a FERC Prior Notice Blanket Certification. The project included abandonment of 0.8 mile of 14-inch pipeline, replacement of the 0.8 mile of pipeline with 20-inch pipeline, and minor modifications at an existing meter station. The project also included ecological and archaeological surveys, state and federal permitting and consultations, preparation of the FERC Resource Reports, and NPDES compliance and reporting.

### GULFSTREAM PHASE VI PROJECT; FLORIDA

#### GULFSTREAM NATURAL GAS SYSTEM

Natural and cultural resources surveys, obtained regulatory permits and the FERC Certificate for an abandonment and uprate.



## **YAZO-KOSC LINE 26 HDD REPLACEMENT; TEXAS EASTERN TRANSMISSION, LP; MISSISSIPPI**

### **ENBRIDGE**

For Enbridge, SWCA was the lead consultant in providing environmental services associated with a horizontal directional drill (HDD) replacement of an exposed pipeline across Dry Creek in Holmes County, Mississippi. Services included natural resource surveys, cultural resource surveys, and SHPO concurrence, conducting USFWS consultation, gaining necessary permits from the Mississippi Department of Environmental Quality, and conducting post-construction monitoring of HDD fluids land farm sites.

## **USF-GLENNVILLE; GEORGIA**

### **ATLANTA GAS LIGHT**

Provided environmental assessment and permitting support for a pipeline upgrade project in south Georgia. Services included schedule control, quality assurance and control, desktop analysis, and supporting development of permit applications for the USACE and Georgia Environmental Protection Agency.

## **CRIST PLANT PIPELINE; ESCAMBIA COUNTY, FLORIDA**

### **GOLDER ASSOCIATES FOR GULF POWER AND FLORIDA POWER & LIGHT**

SWCA team members conducted the cultural resources assessment survey of the 37-mile Crist Plant pipeline that extended from the Crist Plant north to the Alabama state line. The work was conducted for Golder Associates for Gulf Power and Florida Power & Light. Tasks included pre-survey consultation with the Florida Division of Historical Resources (DHR) and the USACE, a thorough pedestrian inspection of the entire easement, subsurface testing at 25, 50, and 100-meter intervals, a historic resource survey, and the preparation of the report of investigations.

## **FLORIDA PIPELINE PROJECTS; MULTIPLE COUNTIES, FLORIDA**

### **CONFIDENTIAL CLIENT**

SWCA team members have managed several proposed confidential pipeline projects in the State of Florida including surveys, analysis, and restoration of a variety of natural communities and habitats. SWCA team members provided or managed services for these projects including wetland delineations, habitat mapping, threatened and endangered species surveys, threatened and endangered species assessments, environmental permitting / compliance, cultural resources management, restoration and revegetation planning, construction stormwater compliance, environmental inspection, contractor training, and restoration or revegetation monitoring.

## **CGT (COLUMBIA GULF); MULTIPLE STATES**

### **TRANSCANADA USA SERVICES, INC.**

SWCA analyzed the existing CGT natural gas pipeline system for potential risks to public safety and the environment through agency consultation and field assessments of biological, cultural, and socioeconomic resources. SWCA prepared EAs to assist the Pipeline and Hazardous Materials Safety Administration (PHMSA) in its review and renewal of Special Permit applications for the pipeline systems in Kentucky, Louisiana, Maryland, Mississippi, Tennessee, and West Virginia.

## **PARKWAY TO COLONIAL PIPELINE; MISSISSIPPI**

### **PARKWAY PIPELINE LLC**

Completed a SWPPP revision, migratory nesting bird surveys, and Kola Road wetland delineation for portions of this 141-mile liquids pipeline system.

## **EAGLE LNG; FLORIDA**

### **EAGLE LNG PARTNERS**

Natural and cultural resources surveys, obtained regulatory permits and the FERC Certificate, continuing construction compliance support for an LNG export facility.



# LOCAL EXPERTISE, BIG FIRM SUPPORT

---

SWCA has offices and staff throughout the country who provide expertise for oil and gas projects. We draw local, regional, and national knowledge to develop the best strategies to facilitate success. We work with you from the conceptual design and planning stages through construction, inspection and compliance, operations, reclamation and restoration, and project closeout.

## WHO WE ARE

SWCA is a nationwide environmental consulting firm. Since 1981, we have helped our clients navigate the environmental compliance process. We are recognized leaders for bringing sound science and creative solutions to every project.

In addition to oil and gas, we also serve the transmission, power generation, government, water, mining, transportation, and land development market sectors.

For more information, visit [SWCA.com](http://SWCA.com).

100% *Employee* OWNED

## CONTACT

---

### STEPHANIE HUDGINS

Vice President - Power and Energy

281.617.3217

[stephanie.hudgins@swca.com](mailto:stephanie.hudgins@swca.com)

### DAVID CRAWLEY

Office Director - Pensacola

281.617.3217

[david.crawley@swca.com](mailto:david.crawley@swca.com)

### MIKE GARTMAN

Senior Project Manager

281.617.3217

[michael.gartman@swca.com](mailto:michael.gartman@swca.com)

### RACHEL BELL

FERC Director

281.617.3217

[rachel.bell@swca.com](mailto:rachel.bell@swca.com)



Sound Science. Creative Solutions.®