



ENVIRONMENTAL SERVICES FOR POWER GENERATION

FLORIDA

38

SWCA
OFFICES

1,200

SWCA STAFF
COMPANY WIDE

6,000+

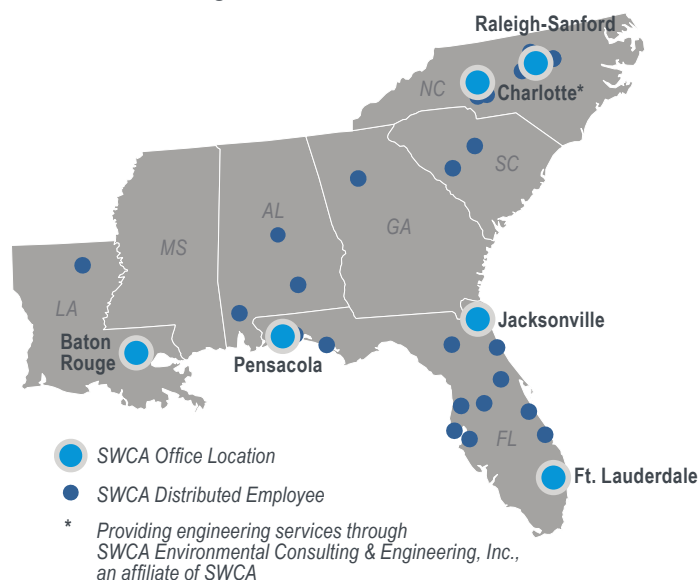
POWER GENERATION
PROJECTS NATIONWIDE



SUPPORTING POWER GENERATION IN FLORIDA

The SWCA Environmental Consultants (SWCA) Jacksonville, Pensacola and Fort Lauderdale offices, combined with staff working from locations throughout the state, provide our power generation and transmission clients with a local team of experienced project managers and subject matter experts who work through the State of Florida and the southeastern United States. Our staff have decades of experience working with key regulatory issues at the federal, state, and local levels; this gives us the ability to provide well-informed, strategic, and defensible expertise and work products to our clients. Our regional team uses their experience to minimize uncertainty or risks on projects to ensure schedules can be maintained by identifying potential issues early in the process. Key qualifications of our team include the following:

- Multiple ongoing power generation projects in the state of Florida, providing our staff with current experience and an understanding of the intricacies of each.
- Project managers and permitting experts with knowledge of Federal and state wetland permitting in Florida—such as the state assumption of Section 404 of the Clean Water Act and Florida Department of Environmental Protection (FDEP) Section 404 Permitting jointly with the Environmental Resource Permitting.
- Experience with federal and state agencies including the three U.S. Fish and Wildlife Service (USFWS) offices (Panama City, Jacksonville, and Vero Beach), U.S. Army Corps of Engineers (USACE) Jacksonville District, FDEP, Florida Fish and Wildlife Conservation Commission (FWC), Florida Division of Historical Resources, and the various water management districts.
- Experience with Florida-specific cultural resources requirements from the Florida Division of Historical Resources, FDEP, and USACE Jacksonville District.
- Experience in exceptional water resources areas that require additional permitting or considerations such as Outstanding Florida Waters.
- Understanding of landowner concerns such as agricultural, visual, timber, or hunting lease impacts with project development.
- Florida and southeastern U.S. technology-based solutions in GIS, drone surveys, and artificial intelligence.



PROJECT CONCEPTION

SITE IDENTIFICATION, SELECTION, AND ACQUISITION

PUBLIC EDUCATION & ENGAGEMENT





KEY ATTRIBUTES OF OUR STAFF:

- Knowledgeable and highly experienced staff in Florida-specific routing and siting considerations for energy projects.
- Wetland delineators with a demonstrated understanding of the USACE Wetland Delineation Manual, applicable Regional Supplements, FDEP Wetland Delineation Manual, and FDEP Uniform Mitigation Assessment Method.
- Biologists experienced in protected species surveys including, but not limited to, the Southeastern American Kestrel, grasshopper sparrow, burrowing owl, Florida scrub-jay, crested caracara, sand skink, eastern indigo snake, red-cockaded woodpecker, and gopher tortoise.
- FWC gopher tortoise agents authorized for surveying, scoping, bucket trapping, and excavator relocation.
- Florida-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 and the Florida Division of Historical Resources.
- Florida-based, experienced construction environmental inspection and compliance monitors, including Florida stormwater, erosion, and sedimentation control inspectors; National Oceanic and Atmospheric Administration qualified protected species observers; and terrestrial biological monitors.



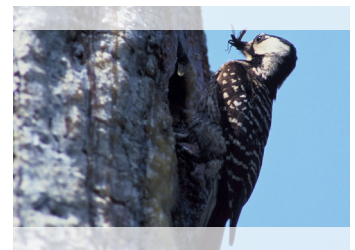
Crested caracara



Florida scrub-jay



Eastern indigo snake



Red-cockaded woodpecker

CONTRACTOR PROCUREMENT AND PROJECT EXECUTION

PROJECT COMPLETION



Critical Issues Analysis: identify, plan, and execute

ENVIRONMENTAL PERMITTING

Preliminary Site Design: wetland delineation, protected species habitat assessments, cultural resource surveys, and visual simulations

Local Permitting: zoning, tax abatement

Final Site Design: site layout, landscaping and maintenance, ecological restoration, stormwater and erosion control planning



Environmental Inspection and Compliance Monitoring through Construction and Project Closeout

YOUR SWCA POWER GENERATION TEAM IN FLORIDA AND THE SOUTHEAST



DAVID A. CRAWLEY, JR.
Natural Resources Team Lead
20 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 and Power Generation Business Line Lead for SWCA's Gulf Coast Region. His expertise includes attaining environmental permits, clearances, and approvals necessary for projects to move into construction. This includes extensive experience working with USACE Jacksonville District, USFWS Field Offices in Florida, FDEP, FWC, Florida Division of Historical Resources, and many counties throughout Florida.

Mr. Crawley specializes in siting, design, environmental permitting, construction oversight, and post-construction monitoring for energy development projects. He has worked on hundreds of energy projects in the Southeast, including more than 50 solar development projects throughout Florida, Georgia, Alabama, Mississippi, and Louisiana. 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.



C. WES MATTOX
Cultural Resources Team Lead

14 years of experience

cwmattox@swca.com

Mr. Mattox is an Archaeological Principal Investigator with experience conducting all aspects of archaeological field research, including phase I, II, and III projects throughout the southern United States (Alabama, Arkansas, Georgia, Florida, Louisiana, Mississippi, South Carolina, Tennessee, Texas, and Oklahoma) and abroad. This includes work on highway corridors, development tracts, cellphone towers, National Forests, mitigation banks, power and pipeline projects both large and small. Mr. Mattox has interacted with a number of Federal and State agencies including the Louisiana Division of Archaeology, the Mississippi Department of Archives and History, the Florida Division of Historic Preservation, the National Park Service, and the Galveston, Vicksburg, Fort Worth, and New Orleans Districts of the U.S. Army Corps of Engineers.

Apart from field research, Mr. Mattox has helped lead and disseminate archaeological research as a Principal Investigator, field director, report author, and laboratory technician. As a Registered Professional Archaeologist, Mr. Mattox is permitted under the Secretary of the Interior's guidelines to conduct independent archaeological fieldwork and obtain permits.



STEPHANIE HUDGINS
Vice President - Power & Energy

19 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.

She 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 Florida Fish and Wildlife Commission (FWC) and Biological Opinions from U.S. Fish and Wildlife Service (USFWS) Region 4.



ADAM HOYLES
Senior Project Manager
26 years of experience

Adam.Hoyles@swca.com

Mr. Hoyles has more than 26 years of experience in listed species, wetland, and environmental permitting related tasks with all State and Federal Regulatory Agencies. Mr. Hoyles has provided regulatory consultations, wetland delineation, coordinated field crews, reviewed surveys, supported reclamation and mitigation monitoring efforts, Section 401/404 compliance inspections, and escorted State and Federal regulatory personnel for formal jurisdictional determinations in support of titanium and heavy sand mining in Green Cove Springs, Florida and in Nahunta, Georgia. Direct NEPA experience includes an FAA Environmental Assessment for an airport in Brantley County, Georgia.



BRIAN DUGAN
Associate Project Manager
17 years of experience

Brian.Dugan@swca.com

Brian Dugan has managed dozens of Phase I ESAs throughout Florida for clients ranging from private lenders, engineering firms, local government, and private citizens. He successfully submits completed reports and assessments of subject properties within limited time constraints and budget. Along with his extensive experience in site assessment and remediation techniques for environmentally impacted areas, Mr. Dugan has experience in environmental permitting, Site Assessment & Remediation Stormwater Pollution Prevention Plan (SWPPP), gopher tortoise surveys and relocation, and erosion control management and wetlands.



SETH TAYLOR
Environmental Compliance
Coordinator
11 years of experience

Seth.Taylor@swca.com

Mr. Taylor is currently a full-time Florida resident. He is a lead environmental compliance inspector and coordinator with more than 10 years of experience in large transmission construction projects, sizes ranging from small transmission lines to a large-scale, FERC and FDEP regulated, 3.5-billion-dollar pipeline construction project. Through this work, he has gained extensive experience coordinating with various agencies, such as the FERC, the FDEP, and the Bureau of Land Management (BLM).

Mr. Taylor's local experience includes services as an environmental inspector on the Florida Southeast Connection Pipeline for more than a year. His responsibilities included ensuring contractor compliance with the FERC, FDEP, stormwater, and local environmental regulations. He successfully oversaw all stages of construction, from initial clearing to final restoration, with zero FERC non-compliance violations.



MIKE GARTMAN
Senior Project Manager
21 years of experience

Michael.Gartman@swca.com

Mr. Gartman is a Gulf Coast native and a current Pensacola resident. He is a Senior Project Manager in SWCA's Pensacola Office. His expertise includes serving as project manager for numerous pipeline and FERC energy generating projects. These projects involved close coordination with numerous USACE Districts and USFWS Field Offices in Florida.

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 EAs, EISs, and ERs related to the siting and resource management of the onshore and offshore energy market. He also has expertise in public outreach, FERC applications, MARAD, and USCG deepwater port applications, U.S. Department of Energy regulations, and various regulatory compliance evaluations and their engineering requirements.



THE SWCA TEAM'S POWER GENERATION PROJECT SUCCESS

CONFIDENTIAL SOLAR ENERGY PROJECT

Manatee County, Florida

The SWCA team performed natural and cultural resources services to gain the appropriate regulatory permits and approvals for construction to begin. This included wetland delineations, Tier 1 & 2 Site Characterization, gopher tortoise surveys, burrowing owl surveys, a tree inventory to meet Manatee County Land Development Code requirements, and a Phase I cultural resources survey. Additionally, SWCA provided consultation with the USACE, USFWS, FDEP, FWC, and Florida Division of Historical Resources.

CONFIDENTIAL SOLAR PROJECT

Jackson County, Florida

SWCA is providing cradle to grave environmental services for a potential solar project. Services have included protected species, aquatic resources, and cultural resources assessments of the potential project area. SWCA also developed a permitting strategy and schedule for the project.

CONFIDENTIAL SOLAR ENERGY PROJECT

Bay County, Florida

SWCA is providing natural, cultural, and permitting services through the development and construction of a solar project in Bay County, Florida. Services include wetland and waterbody delineations; gopher tortoise surveys and relocations; southeastern American kestrel surveys; tree inventory surveys; cultural resources surveys; agency consultations; and obtaining federal, state, and county permitting for the project. SWCA has also assisted the Overall Project team in managing all permit application and needs and ensuring data needs from other team members were sufficient for agency requirements.

FLORIDA SOLAR PROJECT SITING

Multiple Counties, Florida

SWCA provided guidance on potential fatal flaws for siting of solar projects in Florida. Services included due diligence and reviews of the regulatory processes for gaining easements on federal, state, and locally owned conservation lands. SWCA provided summaries that allowed our client to make informed decisions on project site selection and viability.

LAND DEVELOPMENT PROJECTS

Statewide Florida

SWCA has completed several land development projects throughout the state of Florida with a range of tasks. Most commonly wetland and waterbody delineations, gopher tortoise surveys and relocations, obtaining Environmental Resource Permits, conducting other as needed protected species surveys, conducting cultural resources surveys, county required tree inventories, and agency consultations.





CONFIDENTIAL SOLAR ENERGY PROJECT - DUE DILIGENCE ENVIRONMENTAL ASSESSMENT

Multiple Counties, Florida

Mrs. Hudgins served as project sponsor and principal in charge supporting the team with the environmental due diligence phase of the Client's property acquisition of approximately 10,000 acres of agricultural land, comprised of 38 land parcels. The Project Team conducted a general listed species survey within the study area to determine the occurrence and relative abundance of species considered Endangered, Threatened or of Special Concern by FWC under Rule 68A-27FAC and by USFWS under 50 CRF 17. The study area was evaluated for critical habitat and assessed the usage of these areas (and adjacent areas) by species during the survey such as the Everglade snail kite, Audubon's crested caracara, gopher tortoise, eastern indigo snakes, wading birds and wood stork.

FLORIDA GAS TRANSMISSION PIPELINE OPERATIONS AND MAINTENANCE PROJECTS

Statewide, Florida

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.

KINDER MORGAN ANOMALY DIG

Hamilton County, Florida

SWCA managed this anomaly weld inspection project that required approval from the Florida DEP. An Florida Environmental Resource Permit (ERP), Notice of Intent was prepared by SWCA and filed with the DEP to seek approval for inspection under Florida's general permitting guidelines. SWCA performed wetland delineations, T&E habitat evaluations, and worked closely with FDEP staff to address potential concerns.

SABAL TRAIL PROJECT

Alabama, Florida, Georgia

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.



LOCAL EXPERTISE, BIG FIRM SUPPORT

SWCA offers a wide variety of services, but they all share a common theme — they allow us to help our clients meet their project goals in the context of environmental resources and regulations. We provide flexible solutions to challenging projects by identifying both opportunities and limitations to efficiently bring projects to fruition. While guiding and representing our clients throughout the project development process, we build trusting relationships as we navigate local markets and blend local insights with professional expertise. This helps bridge the gap between our clients' needs and stakeholder and community interests.

WHO WE ARE

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

Markets we serve: generation, transmission, oil and gas, government, water, mining, transportation, and land development.

For more information, visit SWCA.com.

CONTACTS



DAVID CRAWLEY
Senior Project Manager
850.304.5535
David.Crawley@swca.com



STEPHANIE HUDGINS
Vice President - Power & Energy
512.476.0891
Stephanie.Hudgins@swca.com