

# Data Center Environmental Services

## Long-Term, Sustainable Solutions for Data Centers

Whether you are just starting a data center development project or operating an enterprise or co-location facility, we've got you covered. For over 40 years, GES has developed innovative solutions for our clients' complex environmental needs. Our in-house engineers, hydrogeologists, environmental scientists, regulatory and permitting experts, and project managers are ready to apply their talents and experience to help you through the environmental requirements that may be needed to complete your data center storage and computing needs. We can provide solutions to help you realize greenfield and brownfield projects in urban, suburban, and rural settings that reduce your time to market, avoid regulatory permitting pitfalls that can derail and delay your project completion, and maintain regulatory compliance.

GES currently supports data center development, construction, and operation, with the following services and technical expertise:

- Permitting and compliance to support development, construction, and operations – permit register, permitting and reporting for air quality, stormwater and wastewater discharges, local permitting/approvals, SPCC Plans/FRPs, waste management, and regulatory engagement support
- Due diligence – Phase I/II Environmental Site Assessments (ESAs)
- Natural Resource studies/permitting – including wetlands, endangered species, USACE & NEPA approvals & strategy, tree surveys, cultural resources screening, and soils analysis
- Site development – site access, zoning, stormwater management, erosion and sedimentation control design and monitoring
- Vapor intrusion - assessment and design, construction, and operation of VI mitigation systems
- Water quality – evaluation, testing, monitoring, and treatment of identified sources
- Water resources – permitting, supply, treatment, and reuse
- Water supply wells – siting, modeling, construction, development, and testing

### Service Capabilities

Air Quality – permitting & reporting  
Carbon accountability  
Critical issues analysis (CIA)  
Cultural resources screening  
Environmental inspections and monitoring  
Local permitting support  
USACE – wetlands permitting and mitigation  
NEPA documentation  
Phase I/II ESAs  
Protected species evaluations  
Site remediation/restoration  
Spill prevention, control & countermeasure plans  
Stormwater planning & permitting  
sUAS (drone) services  
Wastewater discharge permitting  
Water supply well (siting, permitting, and installation)  
Wetlands identification, delineation, mitigation, and banking