Energy companies value the support of a firm with an accomplished understanding of regulatory agency standards and scheduling requirements. GAI Consultants is dedicated to helping natural gas clients establish pipeline corridors, well sites, compressor station sites, and access roads for natural gas gathering, storage, and transmission. Our services cover the entire process, from environmental studies and permitting to survey and engineering design for siting, roadways, and horizontal directional drilling.

Tapping into gas resources requires site selection, planning, and survey skills, and the support of cultural resources, foundation engineering, and water/wastewater professionals. GAI has that wealth of in-house resources conveniently located throughout the northeast shale gas corridors of Ohio, Pennsylvania, Virginia, and West Virginia.

GAI has established relationships with regulatory agencies including the Federal Energy Regulatory Commission (FERC). Our pipeline survey group is unique in their experience, mobility, and dedication to the specialized needs of natural gas clients. Working closely with mapping specialists, our surveyors cover the full range of topographic, boundary, control, construction, hydrographic, design, and specialty survey disciplines.

Accurate cost estimates and established relationships with regulatory agencies means clients can stay competitive in an industry that continues to advance in technology and grow in demand.

GAI’s environmental engineers and specialists are accomplished in their understanding of agency standards and scheduling requirements, and have established relationships with regulatory agencies that are built on trust and reliability. We are dedicated to helping clients establish pipeline corridors, well sites, compressor station sites, and access roads for natural gas gathering, storage, and transmission. Our services cover the entire process, from environmental studies and permitting to survey and engineering design for siting, roadways, and horizontal directional drilling.
GAI determines the most direct and least intrusive route for each natural gas pipeline corridor by identifying streams, wetlands, and natural habitats and conducting background research for previously identified obstacles to reduce the time and effort required for field investigations. Equipped with this information, natural gas clients can avoid or reduce potential adverse environmental impacts.

Water supplies and water quality are a concern to landowners. GAI identifies private water supplies, conducts water withdrawal analyses, and prepares water management plans for properties affected by natural gas well sites. Our biologists and environmental scientists locate streams and wetlands that support local flora and our environmental engineers design mitigation measures to preserve natural water flows. GAI’s stormwater drainage and erosion control plans for natural gas facility construction sites mitigate potential adverse effects to the local environment. The Notice of Intent applications that GAI files for clients move construction projects forward without delay. GAI is a valuable resource for energy clients in the natural gas industry because our strategies determine the best alternatives, resolve environmental conflicts, and encourage public consensus.

**Natural Gas Environmental Engineering Services**

- Agency Coordination and FERC Compliance
- Surveying and Pipeline Surveys
- Right-of-Way Acquisition
- E&S Control Plans
- Pipeline Corridor Routing Studies
- Compressor Station and Gas Well Siting
- GIS Data Management
- Construction Inspection/Management
- Preparedness, Prevention, and Contingency Plans
- Water Withdrawal and Water Quality Analysis
- Water Management Plans
- Post-Construction Stormwater Management Plans
- Noise Surveys

**GAI Services Summary**

- Airport Planning and Design
- Bridge and Structure Inspection and Design
- Coal Combustion Residuals Management
- Construction Inspection and Management
- Cultural Resources Management
- Economic Analyses and Strategies
- Electric Transmission Design and Siting
- Environmental Engineering
- Environmental Studies, Species Studies, Permitting
- Gas Pipeline Surveying and Mapping
- Geographic Information Systems (GIS)
- Geotechnical Engineering and Geology
- Impoundment and Landfill Permitting and Design
- Land Development Engineering
- Landscape Architecture and Design
- Master Planning and Urban Design
- Mechanical, Electrical, Structural Engineering
- Natural Gas FERC Certification and Permitting
- Nuclear Energy Engineering Support
- Right of Way and Appraisal Support
- Land Surveying and Mapping
- Transportation Planning and Design
- Utility Management Consulting
- Water, Stormwater, Wastewater Management