

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE (ESG)

ADVISORY SERVICES



Environmental, Social, and Governance (ESG) has emerged as the common framework to evaluate the overall health of a business's operating model and the company's long-term resiliency. Stakeholders are searching for, and increasingly demanding, thoughtful, forward-looking policies and programs in all three of these areas. At EA, our consultants have the strategic thinking and integrated engineering, science, technology, and policy technical skills and expertise to provide neutral, client-specific advisory services to help clients navigate, understand, and proactively manage their ESG risks and opportunities and embed a lasting programmatic approach.

Holistic Approach.



Strategic Advisory

- Strategy development, including materiality assessment facilitation and documentation
- ESG risk screening
- Benchmarking
- Gap assessment and audits
- Strategy processing and framework training/coaching
- Objective, goal, and target setting and alignment with voluntary commitments
- Action plans and playbooks



Technical Advisory

*Water, Carbon,
Climate, Materials*

- Footprint analysis (facility, portfolio, and product) (e.g., greenhouse gas)
- Subject matter expertise
- Data management and analytics
- Resilience and vulnerability assessments



Reporting and Disclosure Support

- Third-party disclosure development (e.g., GRI, SDG, CDP, SASB, etc.)
- Sustainability, Corporate Social Responsibility, and ESG Annual Reports
- Stakeholder communication campaigns

Industry Leadership. Specialized Expertise.



ESG Risk Screening

Client: Confidential Class I Railway

Challenge: Client desired a consistent process to assess material environmental risks at 300 yards in 28 U.S. States and 1 Canadian Province.

Solution: Designed and implemented a risk-based facility assessment process using business intelligence tools. Process emphasizes 12 material operations with greatest enterprise risk. Assessed pre-control,

post-control, and residual risk to allow for trending and action planning. Unique dashboards for facility, territory, and system were developed for stakeholder communication. Values are "socialized" through existing annual evaluation.

Result: Risk Hub Portal serves as repository for facility, territory, and system analysis. Effort included digitization of 3 previous years of paper-based efforts into modern web-tool. Process integrated into Corporate Audit Enterprise Risk Management (ERM) program.

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Climate Vulnerability & Mitigation Assessment

Client: Confidential Energy Developer/Broker

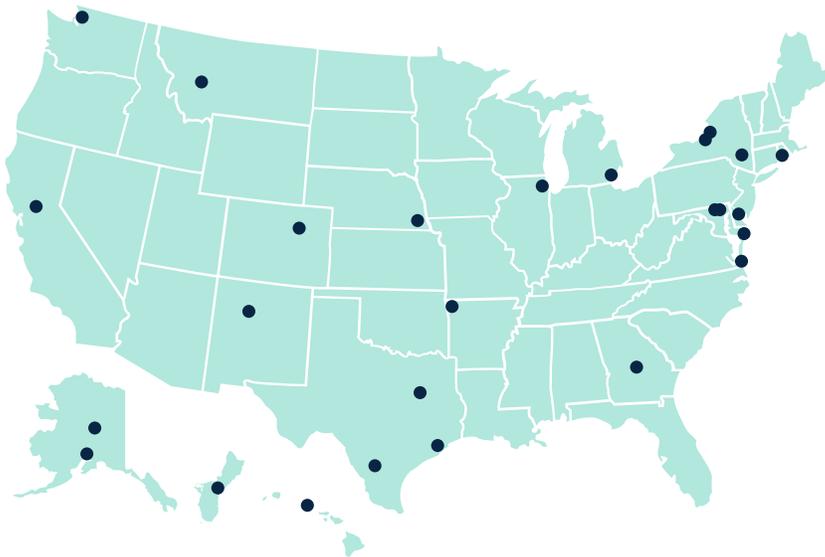
Challenge: During due diligence for the purchase of a \$250M gas-fired generating station on the Susquehanna River in Pennsylvania, the client's insurer requested analysis of potential climate-related impacts including potential flood and drought frequency and intensity variability over time as part of ESG risk screening for the project.

Solution: EA performed a climate vulnerability and mitigation strategy assessment of the facility for potential future flood events evaluating the potential impacts from 30-, 50-, and 100-year flood events. Potential climate impacts were assessed based on current available information using downscaling techniques, to the years 2050 and 2100. Concurrently, cooling water intake pipe elevations were compared to projected low flow events associated with drought conditions. Topographic data were superimposed on

site maps using GIS software and compared to site elevation data. A qualitative analysis to determine the likely damage/impacts (high, medium, or low) to site structures and assets was performed including the assessment of two adjacent dams for flood risks based on a potential dam breach from increased river flow volumes.

Results: The insurer received a clear picture regarding the possible flood and drought vulnerability of the facility and critical assets from the 30-, 50-, and 100-year frequency flood events. The analysis showed how these vulnerabilities may change over time (years 2050 and 2100). EA produced site maps and described potential impacts to facility infrastructure. Recommendations for flood-proofing measures were provided from a holistic site-wide perspective and targeted asset-based perspective. This analysis allows for comparison of alternatives and aids in decision-making regarding resiliency and the time frame for implementing flood mitigation projects.

National Presence. Global Perspective.



● OFFICE LOCATION

EA maintains a global perspective on ESG issues through not only our work with multinational clients, but also global affiliations, (e.g., SASB Consultant Content Program, SDG Working Groups, etc.) and partnerships with leading financial companies.

We believe the best sustainability programs integrate ESG into core business practices. As such, our team approaches ESG through a client-specific perspective that uniquely links technical expertise (including water, waste, energy, climate, carbon/greenhouse gas, product stewardship, and supply chain) with strategy to deliver results. We define organizational value through risk and cost reduction, resource protection, and improving your competitive position over the long term.

