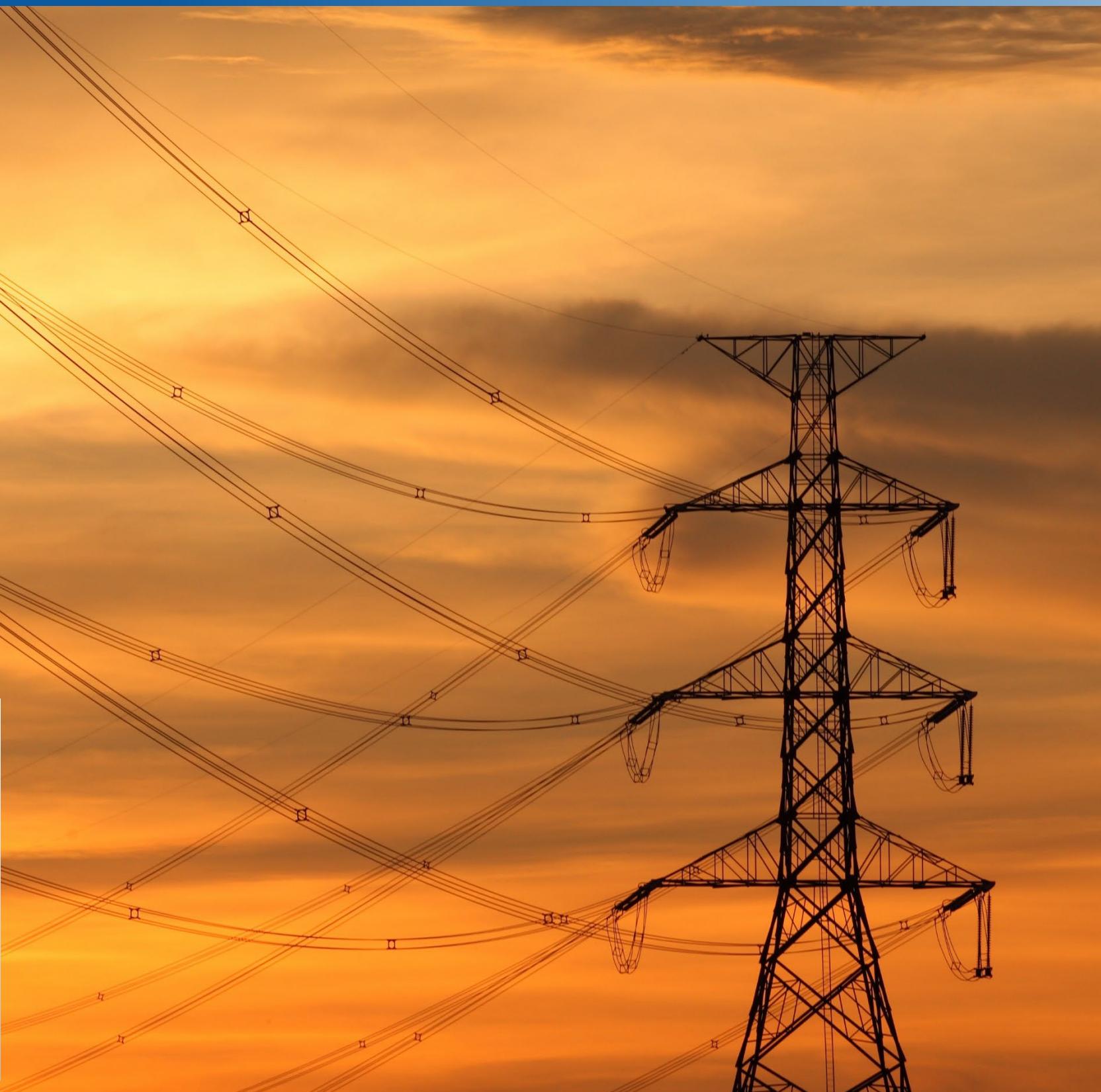




**EA Engineering,
Science, and
Technology, Inc., PBC**

*IMPROVING THE QUALITY OF THE ENVIRONMENT
IN WHICH WE LIVE, ONE PROJECT AT A TIME®*



**Environmental Services for
the Power Industry**

Since our founding EA has been providing a full range of environmental services to utility clients nationwide. EA has proudly served 150+ power generation and distribution clients at dozens of sites nationwide.

EA Engineering, Science, and Technology, Inc., PBC's (EA) mission is to develop fully integrated, multidisciplinary solutions for our clients. EA was founded in 1973 to help power producers comply with Section 316(b) of the Clean Water Act; and, while our service offerings and client base have grown considerably over the years, we continue to remain focused on addressing environmental issues. Having completed thousands of projects and performed more than \$2 billion in services, EA is a leading provider of environmental, engineering, compliance, information technology, natural resources, and infrastructure management solutions for a highly diverse client base that includes the federal government, states and municipalities, utilities, private industry, Fortune 500 companies, trade associations, academic institutions, law firms, non-profit organizations, and others.

Safety Always. The safety of our employees, subcontracted partners, clients, and work environments continues to be our first priority. EA's safety statistics—including an Experience Modification Rate (EMR) that consistently remains below the industry benchmark of 1.0—and National Safety Council awards reflect our commitment to maintaining a safe work environment. EA is an active member of numerous third-party supplier management services that require continual improvement in health and safety program performance.



- *48-year history supporting the power industry*
- *First power clients in 1973 are still our clients today*
- *More than 600 employees and a network of 26 commercial offices across the United States*
- *An Engineering News-Record “Top 200 Environmental Firm” and “Top 500 Design Firm”*
- *Commitment to safety demonstrated by Occupational Excellence Achievement and Industry Leader awards from National Safety Council*
- *Established small business and diverse supplier reporting programs*

Power Industry Capabilities:

- *Air Permitting including Greenhouse Gas and Emissions Assessments*
- *Clean Water Act 316(a) and 316(b) Studies*
- *Coal Combustion Residuals (CCR) Services*
- *Construction Management and Compliance Support*
- *Due Diligence Support to Acquisition and Divestiture of Power Plant Facilities*
- *Environmental Compliance Inspections and Monitoring*
- *Environmental Justice Analysis*
- *Federal, State (to include Water Management Districts), and Local Environmental Permitting and Licensing*
- *Habitat and Wetland Surveys*
- *Site Investigation and Remediation*
- *Stormwater Design and NPDES Permitting*
- *Technology Solutions and GIS*
- *Toxicology and Treatability Laboratories*



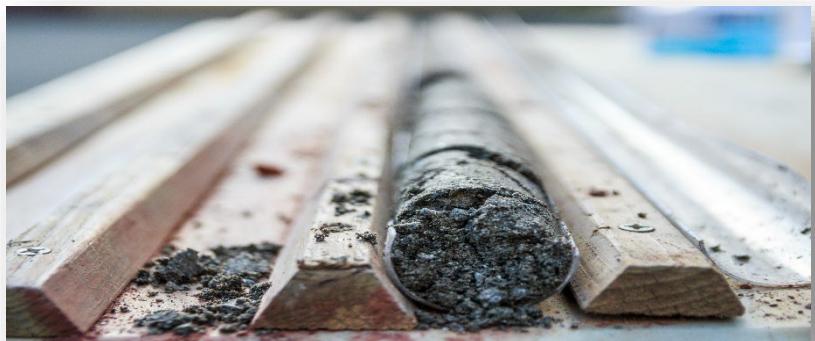
EA is a 100% Employee Stock Ownership Plan (ESOP)-owned, financially stable, Public Benefit Corporation (PBC).

Remediation

EA's Full-Service Remediation Capabilities:

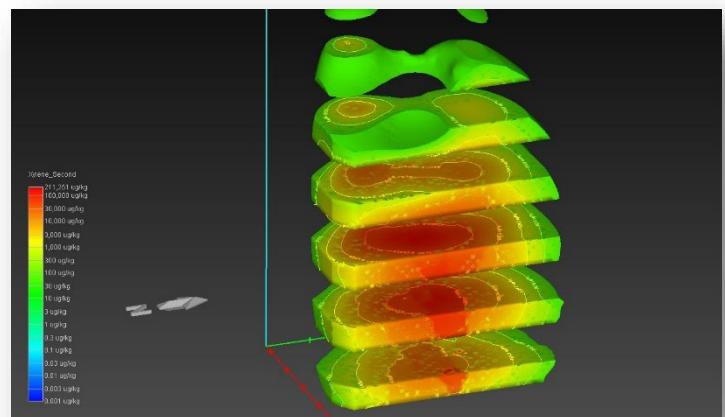
- Environmental Site Assessments (Phase I, II, asbestos, LBP, mold)
- Environmental sampling program development, implementation, and reporting
- CERCLA/RCRA
- Environmental data management
- Effective regulatory negotiations and remedial objective development
- Predesign sampling and analysis
- Plume 3-D modeling, system optimization, and pilot/treatability studies
- Onsite verification of site clean-up and natural attenuation processes
- Public information/meeting support
- Permitting support
- Risk assessment/management
- Site health & safety oversight
- Construction oversight, feasibility studies, and corrective action measures
- Groundwater and soil treatment system design, construction, operation, and maintenance
- Remedy optimization and Life-Cycle Cost analysis

Nationwide Mitigation Experts. Our technical staff and field crews are highly experienced with hazardous wastes; petroleum, oil, and lubricants; industrial solvents; mixed waste; coal tar and creosote; PCBs; and metals. EA excels at developing and implementing remediation/site closure strategies taking into consideration investigative results, future plans for site use, regulatory requirements, and financial implications. We enable our clients to balance productivity and stewardship at operational facilities. We find opportunity in the challenges of the regulatory environment to exceed goals in a safe and environmentally-sound manner via comprehensive solutions.



Modeling and Analysis. Prior to remedy evaluation, EA can employ a variety of state-of-the-industry modeling techniques to analyze fate and transport in multiple media to improve remedy effectiveness, save remediation costs, and address stakeholder concerns. These models also allow us to concurrently analyze several remedial technologies and their impact on restoration timeframes. This in-depth site understanding allows us to deliver cost-effective, sustainable, and protective remedies.

Remediating one of North America's largest Manufactured Gas Plant (MGP) Sites. Since 1986, EA has provided engineering and remediation services at a 70-acre former MGP with a characterized groundwater plume more than a mile long. Our experience at the site includes remediating PCB contaminated oil (estimated to be in excess of 250,000 gallons) floating on the water table at a former tank as well as conducting studies related to liquid phase hydrocarbons. EA prepared the Remedial Action Plans and received unprecedented regulatory acceptance of monitored natural attenuation as a viable remedial action for the aquifer unit.



Compliance



Performance Testing at Coal-fired Power Station Unit.

EA developed a Performance Test Plan to fully characterize SO₃ emissions control performance of a new dry sorbent injection system (DSI) at a coal-fired, power station unit in Kentucky. Activities included SO₃ Removal Guarantee testing in the field (using Controlled Condensate – Conditional Test Method 13), integrating data gathered by other parties for remaining guarantees, and preparing draft and final Performance Test Reports. Worked diligently with clients to ensure that the most cost-effective methods, procedures, and equipment was used for gathering all data necessary for demonstrating attainment of the performance guarantees.

Air Services. We lead in understanding the regulatory complexities of air quality compliance and related business impacts, today and into the future. We have the experience to provide our clients with air quality management solutions that help ensure compliance and proactive planning. Some of EA's air quality capabilities include:

- *Regulatory applicability analyses*
- *Preparation of Title V permit applications*
- *Permitting plant expansions and modifications under New Source Review*
- *Emissions inventories and source characterization*
- *Compliance studies*
- *Continuous emission monitoring and atmospheric dispersion modeling*
- *State and federal permitting of emission sources*
- *Air quality compliance program management*
- *Preparation of Resource Reports, including Resource Report 9, for FERC Certificate authorization under the Natural Gas Act's §7c*



Due Diligence.

EA works with our clients to reduce business liabilities by identifying environmental risks; achieving compliance obligations; and minimizing environmental impacts. Our clients rely on us to provide a complete and thorough identification of environmental liabilities and to perform compliance audits to help them quantify and manage their compliance risks. From supporting acquisition or divestiture of power plant assets to identifying potential regulatory non-compliance issues, our proven experience, technical expertise, and innovative approaches allow us to deliver proactive solutions that control risk and liability, with emphasis on the bottom line. EA staff include professionals certified by leading third-party certification organizations who serve as extensions of our client's teams to help minimize and mitigate compliance risk at their operations.

Comprehensive Environmental Risk Management in Support of Acquisition Strategy.

For a nationwide power generation and transmission client, EA has been providing environmental audit support and due diligence services since 2009. EA is an integral part of the due diligence team evaluating potential environmental liabilities that may pose material impacts (i.e., financial impact) post-acquisition. Following purchase, EA performs comprehensive environmental compliance audits to provide a baseline compliance assessment of the facility. EA has evaluated simple-cycle and combined-cycle gas plants, coal and oil-fired generation plants, and hydro plants. To date, EA has evaluated over 100 power plants nationwide including 22 hydro facilities across 20 states.



Permitting

FERC Licensing and Permitting.

Through our multidisciplinary staff and state-of-the-art laboratory, we can truly integrate science and engineering to provide responsible solutions for complex permitting and environmental challenges. From planning and pre-construction for new plants and expansions, to operations and relicensing of existing facilities, as well as closure of underperforming or obsolete facilities, EA has been involved in the full gamut of environmental permitting and licensing compliance requirements.

EA's 20+ years of experience preparing FERC natural gas certificate applications, FERC hydropower license applications, and FERC NEPA environmental assessments/EISs allows us to streamline the application process for our clients. EA is experienced with helping clients navigate the FERC regulatory process, including pre-filing, responding to data requests, filing the FERC application, developing Resource Reports, and developing the post-certificate implementation plan. EA also has experience preparing both Applicant-Prepared EAs and Third-Party EISs for FERC.



EA has staff have attended FERC's Environmental Review and Compliance for Natural Gas Facilities training.

Additionally, EA is an active member of the National Hydropower Association.

Licensing and Permitting for a LNG Project.

EA was tasked by a national power provider to provide complete environmental services for licensing and permitting a liquefaction project. Services included preparation of FERC resource reports and application Exhibit F; preparation of the environmental reports for the Public Service Commission (PSC) Certificate of Public Convenience and Necessity (CPCN); preparation of federal, state, and local permit applications; and preparation of FERC Order compliance documents. To support the FERC licensing application, preparation of the Environmental Assessment, and various permitting needs, EA conducted numerous natural and cultural resource surveys throughout the main LNG terminal, offsite laydown and parking areas, and potential mitigation sites.



Agency Coordination and Permitting.

Regulatory consultation and permitting are part of every natural gas project. EA has expertise with applicable federal, state, and local regulations governing natural gas projects, and we have established positive, working relationships with key regulatory agencies and technical staff. Our permitting experience includes:

- *Section 7 Consultation with the U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS)*
- *Wetland Permitting for U.S. Army Corps of Engineers and states*
- *Air Permitting*
- *Grading Permits/Erosion and Sediment Control Plans*
- *NPDES Permitting*

Permitting Support for Nuclear Reactor Design and Construction.

At a power station in Virginia, EA provided numerous environmental permitting services for a \$2M project supporting design and construction of a third nuclear reactor. Significant activities included wetland delineation and stream assessments; preparation of a 1,500-page Joint Permit Application; an instream flow incremental methodology (IFIM) study for a 70-mile stretch of the area waterway; Coastal Zone Consistency certifications; stormwater discharge and water withdrawal permitting in accordance with Commonwealth requirements; historical, cultural, and endangered species surveys; and pre-construction stormwater permitting activities.

Natural Resources

Clean Water Act Support. EA was founded in 1973 for the specific purpose of helping two electric utility clients responsibly address new environmental rules focused on cooling water intakes—Clean Water Act [CWA] §316(b) and thermal discharges to surface waters CWA §316(a). In addition to full service §316(b) support, as part of our established power industry services platform, EA's Water and Natural Resources personnel are experienced with providing our clients:

- Waste Water and Stormwater Engineering Services
- National Pollution Discharge Elimination System (NPDES) Permitting Cooling Water Systems/Modeling in support of §316(a) Programs
- Spill Prevention Control and Countermeasure (SPCC) Plans, Facility Response Plans (FRP), Preparedness, Prevention, and Contingency (PPC) Plans, and Stormwater Pollution Prevention Plans (SWPPP)
- Fuel Storage Tank Services
- Pollution Prevention and Waste Minimization Plans and Support, including Pollution Prevention Opportunity Assessment Training
- Safe Drinking Water Act Services



Environmental Assessments. EA's biologists, foresters, ecologists, botanists, fisheries biologists, and soil scientists have logged thousands of management support and field hours conducting in-depth and comprehensive surveys and assessments in upland, riverine, and environmentally sensitive areas, particularly on the Atlantic Coast. Working in close partnership with federal, state, and local agencies, EA has formulated proactive management approaches that avoid potential conflicts between land and water use activities and natural resources, such as integrating land use and ecological integrity simultaneously. EA has experience evaluating both linear projects, like gas pipelines, and traditional project sites, such as compressor stations or liquefied natural gas (LNG) terminals. Services include:

- Wetland Delineation and Stream Assessments
- Human Health and Ecological Risk Assessments
- National Environmental Policy Act (NEPA) Environmental Assessments (EAs) and Environmental Impact Statements (EISs)
- Avian, fisheries, and rare, threatened, and endangered species surveys
- Sediment Evaluations and Dredged Material Management
- Community Outreach Programs

Multi-State Natural Resources Studies Along the Ohio River.

EA provided more than \$3M in environmental studies and permitting support to assist a client with development of five hydroelectric projects along the Ohio River. Flora, fauna, and wetland surveys were conducted in Ohio, Kentucky, and West Virginia, and Indiana Bat surveys were conducted in Ohio and West Virginia. Surveys were associated with construction and associated transmission lines from the projects to the substations, which were often located several miles from the dam. Additionally, EA personnel developed recreational use plans, and erosion and sediment control plans designed to protect both endangered plant and mussel species located in or adjacent to construction areas.

Additional Services

In-house Laboratories.

In continuous operation since 1981, EA's ecotoxicology laboratory has conducted more than 32,000 toxicity tests. Nationally certified through National Environmental Laboratory Accreditation Conference, our laboratory provides high quality toxicity testing, careful interpretation of data, and appropriate application.

Our biological laboratories have conducted more than 5,000 ecological studies since being established and are supported by well-trained and experienced aquatic biologists, including certified fisheries biologists and certified benthic macroinvertebrate taxonomists who have been supporting the utility industry for more than 30 years.

Additionally, since 2018, EA has owned and operated EnviTreat. The laboratory provides services to evaluate the treatability of industrial wastewater and to assess the function and performance of treatment processes.



Information Technology and Geographical Information Systems.

EA offers the full range of IT and GIS services necessary to meet our clients' project goals while maintaining data integrity and security. The breadth of our experience matches the broad spectrum of our clientele. Specializing in integrating custom web-based and mobile applications with existing systems, EA develops solutions that provide clients with the ability to maintain and analyze combined data sets ensuring consistency across nationwide programs and compliance with federal, state, and municipal regulations with specific reporting requirements.

By incorporating custom-built tools with standard GIS technologies, EA continues to be on the leading edge of data collection, modeling, and spatial analysis. Our information specialists are proficient with all major GIS and CADD software. From producing 3d models with fly-through capabilities to creating web-based tools for data management, EA works closely with clients to develop data and databases necessary to support decision making processes.



As a Microsoft, Cityworks®, and esri business partner, we provide only the best industry standard technologies to our clients.



Database Design and Management.

EA's full-range of GIS consulting, development, and implementation services includes enterprise integration; business process/procedure evaluations; database design and development; data development and migration; formal training; and storage, hosting, and documentation.

Our IT specialists, data managers, and analysts excel in enterprise system consulting and custom system design, development, and implementation for a wide range of applications including environmental compliance tracking, capital project planning, asset management, and engineering project management. Our expertise allows our clients to better track data and manage maintenance and compliance requirements.



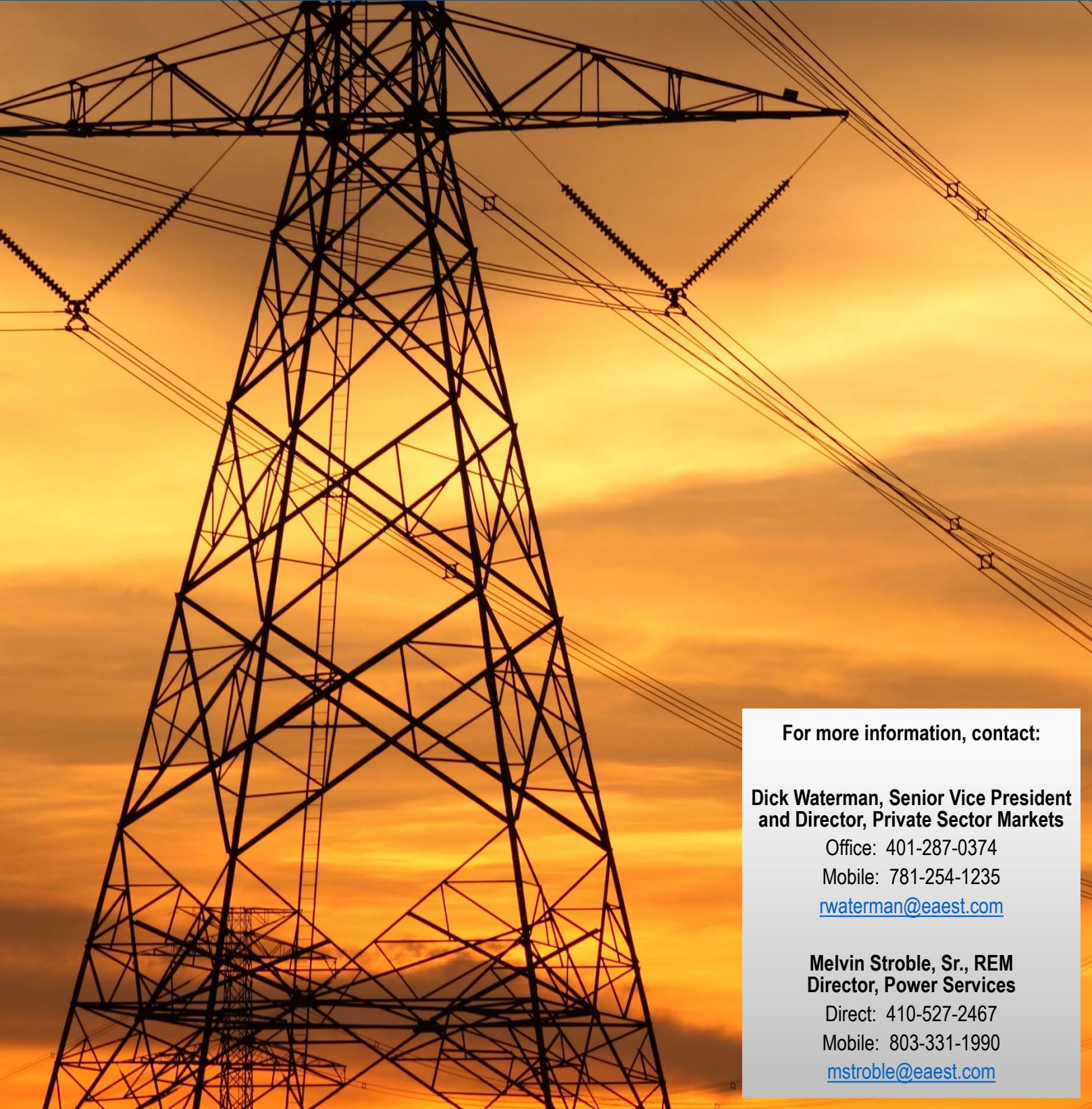
www.eaest.com

COLLABORATIVE ANALYSIS, THOUGHTFULLY APPLIED

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GOLD

2022

ecovadis
Sustainability
Rating

EA's Corporate Social Responsibility Program has been
rated Gold by EcoVadis.