

DIGIOIA GRAY

& ASSOCIATES

AJ Fleissner, PE



We are pleased to announce that Alan (AJ) Fleissner has joined DiGioia, Gray & Associates, LLC, as Manager of the Transmission Line Engineering Group.

AJ served the majority of his career at Allegheny Energy. His most recent role was Senior Consulting Engineer, a technical leadership position supporting the TrAIL and PATH expansion projects,

the largest transmission expansion projects attempted in the Mid-Atlantic region within the last 40 years.

AJ began with Allegheny Energy in 1976 as project engineer in the Engineering Services group, where he was the primary investigator on the siting process. Promoted up through the ranks, AJ held various management positions within Allegheny, in the AE Transmission system. Then AJ spent a period in the design group as a project engineer for all site development requirements for the construction of transmission line and substation projects.

In 1999, he was named General Manager of Transmission Projects, and managed the employees and operations of the entire EPC Transmission process for Allegheny Energy. This included engineers and professionals from all the major Transmission Line and Substation groups from Civil Design to Substation Electrical Design, System Protection and Controls, to SCADA and communications design, to Real Estate, and Construction.

AJ earned his BS in Civil, and MS in Industrial Engineering from the University of Pittsburgh. He served as a member of the PJM Transmission Interconnection and Project Management Working Group, the Pennsylvania Electric Association (PEA) Transmission Committee and the Southeastern Electric Exchange (SEE) Transmission Committee. He is a registered Professional Engineer in MD, PA, VA, WV and a registered Professional Land Surveyor in PA.

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Transmission Line Engineering

We have extensive experience in power delivery services, including transmission line siting, design, and permitting from an owner's perspective. Our staff understands the importance of incorporating safety, reliability, constructability, and maintainability in line siting and design in conjunction with land use, property, and environmental issues.

Substation Engineering

Our engineers and designers have over 200 years of combined experience in planning, project management, engineering, construction, and maintenance of substations ranging in voltage from 4kV to 765kV.

Geotechnical Engineering

DiGioia Gray provides geological and geotechnical engineering services for large industrial, electric utility, commercial, and transportation facilities. Our field of expertise includes the design and analysis of foundations, management of ground materials, soil and rock mechanics, mine studies, including subsidence remediation and mitigation, and dam and levee engineering. DiGioia Gray has specialized expertise in construction where difficult ground conditions exist, such as undermined sites, areas composed of expansive materials or "soft ground", or sinkhole-prone karst, seismic areas, and unstable slopes.

Structural Engineering

We are able to provide the client with complete structural engineering services from design to construction inspection. We perform structural analysis and design using state-of-practice finite element software programs, including the PLS-POLE, TOWER, and PLS-CADD programs. Our staff is experienced in the design and analysis of transmission line and substation structures and foundations, determining structure load criteria, stress analyses, seismic analyses, structural reliability and failure investigations.

Coal Combustion Product (CCP) Management

Our staff provides comprehensive coal combustion product management services for electric utilities, independent power producers and manufacturers. We are experienced in conducting site feasibility studies, environmental assessments, geotechnical, geologic and hydrogeologic investigations, facility planning, design and permitting, and construction monitoring. We also have experience in CCP utilization and beneficial use marketing studies.

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