

We are pleased to announce the opening of DGA Consulting, LLC!

DGA Consulting is an Arizona civil engineering firm tailored to serve the electric utility industry, formed as a subsidiary of DiGioia, Gray and Associates, LLC (DiGioia Gray) of Monroeville, PA. Our staff of former utility engineers, along with DiGioia Gray personnel, functions as a team to develop transmission, distribution and power generation projects in the Western U.S. In cooperation with our affiliate Pennsylvania and Virginia DiGioia Gray offices, we draw on the experience of experts in civil engineering aspects, of the electrical grid, to provide innovative solutions for our clients. In addition to DiGioia Gray engineers, we have access to some of the foremost utility experts in the country through our Technical Affiliate Group to craft teams to meet specific project and client needs. We support our client's long-term needs with state-of-the-practice engineering.

CORE ENGINEERING SERVICES:

FOUNDATION

SUSTAINABLE ENERGY

UTILITY INFRASTRUCTURE

TRANSMISSION GRID

Because many of our engineers and affiliates have spent the majority of their careers with electric utilities throughout the U.S., DGA Consulting views electric system design from the owner's perspective. We recognize that quality engineering isn't predicated solely on lowest initial cost or service life, but through the union of constructability, total installed cost, and overall reliability.

Peter Kandararis, PE,

Manager DGA Consulting



Mr. Kandararis has been the primary geotechnical engineer for the Salt River Project in Phoenix, Arizona, for the past 28 years, responsible for performing a wide variety of geotechnical and materials studies in support of water and electric power projects. He managed and performed geotechnical engineering investigations and foundation designs for major electric system projects throughout central and northern Arizona. These projects include the design of thousands of drilled shaft foundations. The work on these projects incorporates in-house developed simplified reliability-based investigation and foundation design methods for electric system reinforced concrete drilled pier foundations. He is member of the American Rock Mechanics Association, the Geoinstitute of the ASCE and the Overhead Line Design Task Force for the Electric Power Research Institute. He also is an advisory member and past vice chairman of the Maricopa Association of Governments Standard Specifications & Details Committee and is on the steering committee of the Arizona Land Subsidence Group. Mr. Kandararis has authored numerous technical papers in the area of deep foundation design and annually presents a session on electric system foundation investigations and design for the Deep Foundations Institute's Seismic and Laterally Loaded Foundations Committee.

Zack Heim, PE,

Manager, Grid Development



Mr. Heim has been responsible for grid development at the Salt River Project in Phoenix, AZ for the past 11 years. Over his career, Mr. Heim has managed numerous distribution, transmission and catenary system projects providing expertise in overhead structures and forensic span analyses. These projects include rating analyses of all SRP operated EHV transmission lines throughout central and northern Arizona. To enable enhance precision where difficult conditions exist, Mr. Heim has developed several proprietary evaluation methods for overhead spans. Mr. Heim has also been responsible for many civil engineering projects including generation site development as well as various facilities pavement improvement projects. He has a civil engineering degree from Arizona State University and is a registered professional in the State of Arizona.

... Who We Are

Anthony M. DiGioia, Jr., PhD, PE, ,

President DiGioia Gray & Associates, LLC

Prior to forming DiGioia Gray, Dr. DiGioia co-founded GAI Consultants, Inc., where for 38 years, Dr. DiGioia served as Chairman and President. Dr. DiGioia is a leader in the development of structural loading criteria for the design of electric transmission lines. He has conducted extensive foundation research and has been a leader in the development and use of reliability-based design and analysis concepts as applied to transmission line structures and foundations. Dr. DiGioia has extensive experience in the siting and design of coal-combustion product (CCP) landfills and the beneficial use of CCP's in large tonnage applications, such as roadway embankments and pavements, backfills, site development and airport fills. Dr. DiGioia is currently an adjunct professor in the Civil and Environmental Engineering Department at Carnegie-Mellon University. Because of his accomplishments, he received the prestigious Metcalf Award from the Engineers Society of Western Pennsylvania in 1998.

Richard E. Gray, P.G.,

Principal, DiGioia Gray & Associates, LLC

Mr. Gray was also a co-founder of GAI Consultants, Inc, serving as Senior Vice President of Technical Operations for 38 years. He is a specialist in soil and rock mechanics, engineering geology, and foundation engineering. His consulting experience includes numerous geotechnical studies for large industrial developments, such as steel mills and fossil fuel, hydroelectric, and nuclear power plants. Mr. Gray is internationally recognized for his work in subsidence engineering. For his achievements in the field of engineering geology, he was awarded the Geological Society of America (GSA) – Engineering Geology Division's Meritorious Service Award and is an Honorary Member of the he Association of Environmental & Engineering Geologists.



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