

Douglas B. Williams, P.E.

Consulting electrical engineer with approximately 30 years of experience in electrical safety, electrical component failures, electrical power systems, photovoltaic generation, battery energy storage systems, arc flash analysis, code compliance, commissioning, operations, troubleshooting, and technical training. Experience includes utility-scale renewable energy projects, including design, construction, construction safety, commissioning, operation, maintenance, and performance evaluation. Expertise includes NFPA 70E compliance, OSHA safety practices, utility interconnections, protection coordination, electrical system failures, and operational risk management.

PROFESSIONAL ELECTRICAL ENGINEER: Pennsylvania, New Jersey, Arizona, California, Georgia, Illinois, Indiana, Massachusetts, Michigan, Nevada, North Carolina, Texas, Virginia, and Wisconsin.

EDUCATION: Bachelor of Science Degree in Electrical Engineering, Magna Cum Laude, New Jersey Institute of Technology, 2002. Associate of Science Degree in Physics, Mercer County Community College, 1998.

PROFESSIONAL BACKGROUND**Present – Fleisher Forensics**

Consulting Engineer responsible for evaluation of electrical incidents and claims involving electrical safety; electrical failure investigations; power distribution systems; power generation facilities; solar photovoltaic and battery energy storage systems; protection coordination; arc flash analysis and implementing simple/complex lockout tagout processes; utility interconnections; system commissioning and troubleshooting; project planning; coordination and procedures; electrical services for construction projects including shutdowns; OSHA and NFPA 70E compliance; technical training and operations management; and root cause analysis of electrical related issues.

Consulting in evaluation of compliance to codes and standards such as: NFPA, IEEE, OSHA, ADA, ICC, ANSI, ASTM, and UL.

Present – Temporal Engineering Services, LLC

Principal and Owner providing consulting services related to safety and technical training, renewable energy, battery energy storage systems, and electrical engineering.

2018-2025 – RWE Clean Energy/ConEdison Clean Energy Businesses

Senior Director responsible for safety, training, reliability, and business integration initiatives supporting utility-scale battery energy storage assets and renewable generation portfolios. Managed development, construction, operations, and commercial execution of utility-scale battery energy storage projects. Managed a construction project portfolio budgeted over \$160 million for battery storage.



Douglas B. Williams, P.E.

Page 2 of 2

2011-2018 – Johnson Controls, Inc.

Director of Operations for Distributed Energy Storage responsible for battery storage deployments. Led engineering teams supporting solar, microgrid, and distributed generation projects throughout North America. Oversaw deployment and integration into utility electrical systems. Provided national electrical related support.

1998-2011 – Prior Roles

Held technical and leadership positions with PV Design Associates, Entech Solar, Northern Power Systems, Kirell Energy Systems, and WorldWater Corporation, involving solar generation systems, distributed energy resources, controls, project design, commissioning, and project execution.

PROFESSIONAL ORGANIZATIONS

National Fire Protection Association, NFPA

Institute of Electrical and Electronics Engineers, IEEE

CERTIFICATIONS

OSHA 30 Certified, 2015.

National Fire Protection Association 70E Arc Flash Trained, 2018-2026.

Six Sigma Green Belt, 2008.

LEAN Six Sigma, 2009.

North American Board of Certified Energy Practitioners: Certified Solar PV Installer, 2011.

PATENTS & PUBLICATIONS

U.S. Patent #6,275,403– Bias Controlled DC to AC Converter and Systems.

“Fighting fires around solar power systems” Fire Rescue Magazine, collaborating author with Greg Janubski, dated May 2014, pages 24-27.