

GEORGE TANEICHI COLE

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SUMMARY

An experienced electrical/electronics technician with over 24 years of hands-on background specializing in maintenance of nuclear power generation equipment and electric transmission and distribution systems with an emphasis on electrical safety of employees.

The last 7 years has been in the role of overseeing the electrical safety program at the Palo Verde Nuclear Generating Station (PVNGS) in a leadership role.

- Possesses an in depth understanding of OSHA 29CFR 1910 Sub-parts R & S and 1926 Sub-parts M & V standards in the application of electrical safety.
- Extremely familiar with National Fire Protection Association (NFPA) codes 70, 70B and 70E.
- Possess a strong understanding of applicable IEEE and EPRI electrical safety standards.
- Catalyst between the various Arizona Public Service (APS) Business Units (Nuclear generation, fossil generation and transmission and distribution) establishing alignment in the area of electrical safety.
- A leader who understands the importance of an effective Corrective Action Program, Risk Assessment and the use of Human Performance error reduction tools.
- A visionary who is constantly seeking safer and more efficient methodologies.
- Flexible, quickly adapting to new technologies and applications.
- Works well in either a team environment or as an individual contributor.
- Eagerly participates in all aspects of team building and multi-disciplinary projects.
- Adherence to established procedures and rules without compromise.
- Participates in accident and incident investigations

CERTIFICATION AND ACCOMPLISHMENTS

- OSHA Special Government Employee (SGE)
- NFPA 70E Certified Electrical Safety Compliance Professional (CESCP)
- NFPA 70E Certified Electrical Safety Worker (CESW)
- Certified Industrial Electrical Safety Inspector (CIESI)
- Considered the Subject Matter Expert for all Electrical Safety matters at the Palo Verde Nuclear Generating Station, Phx, AZ
- Member of the NFPA Certification Advisory Group (CAG) for CESCP and CESW
- Member of the PVNGS Site Safety Committee
- American Heart Association CPR instructor
- Instructed Electrical Safety workshops during ADOSH and VPPPA Safety Conferences

PROFESSIONAL EXPERIENCE

ARIZONA PUBLIC SERVICE COMPANY (APS) Phoenix, AZ

1983-2020

PVNGS Electrical Maintenance Services (2008 - present)

Responsible for maintenance of the electric generation equipment and distribution systems at the largest nuclear power generating station in the US, with the primary duty of the electrical safety program.

- Experienced in maintenance and testing of large poly-phase motors, transformers, switchgear, battery banks, motor control centers, emergency diesel generators, etc.
- Oversees the electrical safety program at the station to ensure all applicable safety standards are met and industry best practices are implemented.
- Utilizes the station's Corrective Action Program to trend and analyze station performance
- Conducted bench marking of other electric utility companies to bring back industry best practices
- Conducted audits of electrical safety procedures and programs of other nuclear power generating plants
- Researches methods for improving electrical safety programs and reducing employee risk, injuries, close calls and near misses
- Provide electrical safety training such as Equipotential Zone (EPZ) grounding, arc flash mitigation, PPEs, GFCIs, bucket truck rescue, fall protection, confined/enclosed space entry, CPR, etc.
- Assist the Arizona Department of Occupational Health (ADOSH) with Voluntary Protection Program (VPP) safety audits and provided electrical safety training during 2017, 2018 and 2019 ADOSH Safety Summit conferences.
- Instructed electrical safety workshops during OSHA Voluntary Protection Program Participants' Association (VPPPA) conferences

I.S. Field Services Communications Technician (1997-2008)

Responsible for implementation and maintenance of high-tech communications equipment in support of APS electric power generation, transmission, distribution and business offices.

- Experienced in microwave and wireless radio systems, Sonet transport equipment, fiber optics, protective relaying, AC and DC power systems, Auxiliary Power Units, Uninterruptable Power Supplies, AC to DC rectifiers, DC to AC inverters, DC to DC converters, alarm and control telemetry, SCADA, digital and analog multiplexors, Telephone PBXs, skilled in tower construction and climbing, etc.
- Awarded on two separate occasions the company's "Living the Vision" recognition.
- Developed procedures and lesson plans and implemented training of co-workers for tower climbing safety and rescue techniques.

Substation Electrician (1994 – 1997)

Assisted APS substation electricians and test engineers with construction, maintenance and testing of transmission (525, 345 and 230 kV) and distribution (69 and 12.5 kV) equipment such as transformers, breakers, switches, battery banks, reactors, capacitor banks, battery banks, etc. located inside substations.

Operated bucket line trucks, elevating work platforms, fork lifts and other pieces of heavy equipment.

Facility Maintenance Electrical Helper (1992-1994)

Assisted APS journeymen electricians with maintenance and light construction and remodeling of the non-power plant related buildings, structures and facilities at the Palo Verde Nuclear Generating Station. Primary duties consisted of lighting circuits, temporary electrical power needs, testing of UPS and their associated battery banks, installation of new feeders and branch circuits and HVAC support.

Operated bucket line trucks and other elevating work platforms.