

R. NEAL RICH, P.E., MAE

Mr. Rich is a Principal with Long International and has 40 years of experience in many aspects of electric power system design, installation, operation, and maintenance. His expertise includes distribution, sub-transmission, and transmission systems upwards to 500 kV and generation and industrial plant distribution systems of 34.5 kV down to 480 VAC. Mr. Rich previously led the General Electric Company (GE) projects team in the development of substation and other large electrical Engineer-Procure-Construct (EPC) projects. In addition, he held leadership positions at national engineering and EPC firms that specialized in protection and control and acted as a sales/application engineer to support advanced relaying, metering, and communication equipment and systems. Mr. Rich has worked internationally and has been a project manager and lead engineer on many air- and gas-insulated electric substations and other specialized power projects such as

static var compensator, cycloconverter, series compensation, harmonic filters, battery energy storage systems, microgrid, and generation projects of many technologies. His clients have included large municipal and investor-owned utilities, generation and transmission cooperatives, independent power producers, large industrials, contractors, and consultants. Mr. Rich's electrical expert services focus on electric power systems and equipment. He has authored formal expert reports and has given arbitration testimony. Mr. Rich speaks on technical subjects, professional development, and ethics in various national and regional settings.

EDUCATION

Professional Employee Management, General Electric Company, Crotonville, NY, 1989

B.S., Electrical Engineering, University of Mississippi, 1981

PROFESSIONAL LICENSES

Licensed Professional Engineer:

Arkansas (13372)

California (E012642)

Colorado (36979)

Connecticut (0027310)

Georgia (PE019529)

Hawaii (PE-11970)

Idaho (19029)

Kansas (20516)

Kentucky (19743)

Louisiana (PE.0032691)

Maine (10397)

Massachusetts (47926)

Mississippi (09525)

Nebraska (E-18107)

New Jersey (24GE03406000)

New Mexico (17716)

New York (069205)

North Carolina (031839)

North Dakota (PE-28683)

Oregon (81468PE)

South Carolina (22717)

Tennessee (124395)

Texas (96296)

Utah (6312125-2202)

Virginia (0402061133)

Washington (49768)

West Virginia (23993)

Wisconsin (37736-6)

Wyoming (10578)

PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronic Engineers (IEEE), Senior Member

IEEE Power Engineering Society

The Academy of Experts, Practicing Full Member, Membership No. 4140