RJR Engineering, P.C.
Professional Engineers

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Thomas R. Gilmartin, P.E., PMP, LEED AP
Senior Electrical Engineer

EDUCATION
BS, Electrical Engineering, Rensselaer Polytechnic Institute

PROFESSIONAL REGISTRATIONS
Licensed Professional Engineer: NY, ME, MI, MO, NM, PA, SC, TX, VT, Alberta, Canada

Leadership in Energy & Environmental Design (LEED), Accredited Professional

Project Management Professional (PMP)

YEARS OF EXPERIENCE
Total: 21
With RJR: 1

Mr. Gilmartin is an Electrical Engineer, LEED Accredited Professional and Project Manager with over 20 years' experience. His basic competency is in electrical power and controls including MV substations, switchgear, PLC/ SCADA and Instrumentation, power flow analysis, and power systems design and analysis. He has worked in many large industrial facilities, including mineral processing plants, waste-to-energy plants, chemical plants, and a 40 MW generation site.

Mr. Gilmartin's knowledge and experience has provided him with a solid foundation on which to base forensic evaluations and investigations when identifying failures, causes and origins of electrical events.

Mr. Gilmartin's recent forensic engineering experience includes:

- Investigation to determine the origin and cause of an overhead service line becoming disconnected from the building at the service riser, as well as a review of code requirements, the opinion of the municipal electrical inspector, and the cost estimate obtained by the Insured.
- Determination of responsibility for damage to subsurface utilities during construction of a health care facility, as well as cost estimates for repair.
- Evaluation of water damage to the electrical system, hot water system, and elevator in a municipal housing building. The investigation included desk review of previously prepared report and on-site evaluation to determine extent of damage to electrical equipment and provide opinions on repair / replacement options and costs.
- Investigation to determine cause of injury-accident at paper mill involving 4160 V motor.
- Supervision of a full plant analysis at a chemical manufacturing facility, which included Load Flow, Short-Circuit Current, Protective Relaying, and Arc Flash. Areas surveyed included 115kV utility feed, 22kV and 4160V plant distribution, 4 x 480V substation transformers, large motors up to 300HP, office areas, and lighting.