

Joseph A. Famiglietti, Jr.
Principal and Practice Director

Professional Profile

Mr. Joseph A. Famiglietti, Jr., is a Principal and the Practice Director for Exponent's Engineering Management Consulting practice. Mr. Famiglietti has over 35 years of experience providing engineering services and management advice to the electric power industry. As a consultant to the power industry, he has evaluated strategic options of generation assets and performed organizational assessments, root cause analyses, and independent design reviews. Mr. Famiglietti has also helped organizations identify, map, and improve their core business processes. He has also led or participated in projects ranging from regional site seismicity studies, soil-structure interaction analyses, BWR recirculation pipe replacement, and high energy line break restraint design.

As a business executive serving the power industry, Mr. Famiglietti has run professional engineering services companies as large as \$175 million in annual revenue.

Academic Credentials and Professional Honors

M.S., Structural Engineering, Cornell University, 1968
B.S., Civil Engineering, University of Notre Dame, 1966

Chi Epsilon Honor Society

Prior Experience

Principal, Famiglietti & Associates, 2003–2006
Senior Vice President, San Francisco Regional Manager, ATI Architects and Engineers, 2001–2002
Principal, Famiglietti & Associates, 1995–2001
President and Chief Executive Officer, S. Levy Incorporated, 1994–1995
President, ABB Impell Corporation, 1988–1994
Vice President, ABB Impell Corporation Midwest Region, 1986–1988
Director, Impell Corporation, 1984–1986
Vice President, Cygna Energy Services, 1980–1982
Principal Engineer, Boston Edison Company, 1973–1980

Project Experience

Mr. Famiglietti has participated in and managed teams responsible for performing business process and project risk assessments at several electric utility clients (generation and T&D) over the past several years. These assessments included thorough reviews of management processes and procedures, maintenance processes and corrective action programs. He has also led several process related root cause evaluations and has led teams performing compliance related audits.

Selected projects include:

- Risk assessment of a \$1 billion dollar capital transmission project.
- Development of a project portfolio process for a \$1 billion electric transmission and distribution substation capital portfolio of projects.
- System-wide compliance audit for a gas distribution maintenance program.
- System-wide compliance audit for California Public Utility Commission General Order 165 implementation.
- Asset management assessment of distribution utility to review capital project planning, project management, maintenance, work management, and work culture processes and performance.
- Assessment, development and implementation of an improved engineering process for a transmission and distribution organization to allow for increased project throughput due to increased capital budgets.

Mr. Famiglietti's experience in the nuclear power industry includes design, engineering, compliance, and licensing. Key nuclear experience includes:

- As the Utility Owner's engineer, managed several licensing studies in support of the Construction Permit for a proposed plant. Issues studied and successfully defended in hearings with the NRC included:
 - Seismicity of the northeastern US
 - Soil-structure interaction analysis to assess liquefaction potential
 - Seismic analysis to assess structure-to-structure interaction
- As the Utility Owner's engineer, managed several licensing studies in support of an operating plant. Issues addressed and successfully defended in meetings with the NRC included:
 - IE Bulletins 79-02, 79-07 and 79-14
 - Operability evaluations in support of continued plant operation while some of the bulleting issues were being addressed
- As a consultant to nuclear utilities, managed several significant projects including:
 - High-energy line break and pipe whip restraint analysis and design for a dual plant under construction
 - Seismic piping and pipe support analysis and design for a dual plant under construction
 - Recirculation pipe replacement for a BWR, including planning, engineering development of the start-up test procedures and start-up testing

- Supported a utility in responding to an Independent Site Investigation conducted by the Nuclear Regulatory Commission at an operating 2-unit BWR
- Performed organizational analysis, process redesign and selected root cause analyses for a major multi-unit North American nuclear utility
- Performed a common cause investigation of component events impacting reliability at a dual unit PWR