

Edward J. McGann III, P.E.

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Professional Experience

VERMONT ELECTRIC POWER COMPANY, Inc. (VELCO), Rutland, Vermont July 2004 - Present
Director of Engineering and System Protection (2023 – Present)

- Director of Engineering (2022 – 2023)
- Manager of Engineering (2015 – 2022)

VELCO owns and operates the electric transmission grid in the state of Vermont and consists of 738 miles of transmission lines and 55 substations, switching stations and terminal facilities.

- Provide leadership and direction to the Electrical, Civil Engineering and System Protection Departments in the design, commissioning and support of VELCO’s substation and transmission facilities.
- Work with internal VELCO departments to define the engineering scope, schedule and cost objectives for capital and annual expense projects.
- Manage the procurement, coordination and scheduling of contracted engineering firms performing design and testing services for VELCO.
- Responsible for regulatory compliance regarding the National Electric Safety Code and certain requirements of the North American Electric Reliability Corporation (NERC).
- Represent VELCO in various regulatory and public forums associated with long range plan and project approvals.

Electrical Engineer (2004 – 2014)

- Responsible for the engineering, design and analysis of various capital and maintenance projects.
- Accountable for the detailed design of electrical protection, control, metering and monitoring systems, station arrangements, the development and review of substation commissioning plans and system disturbance analysis required for the operation of the bulk transmission system and its supply points to the distribution utilities.
- Project Engineer on 21 substation, switching station and terminal facility construction projects.
- Development and maintenance of VELCO substation design standards.
- Development, review and maintenance of major equipment and construction specifications.
- Review and approval of equipment vendor design, testing and maintenance documentation.
- Management of contracted engineering firms performing design and testing services for VELCO.
- Responsible for regulatory compliance regarding the National Electric Safety Code and certain requirements of the North American Electric Reliability Corporation (NERC).

NORTHEAST CONTROLS, Inc., South Portland, Maine 2003 - 2004
Controls Engineer

- Commissioned LON works based Direct Digital Control systems for HVAC building automation
- Development and customization of customer graphical user interfaces
- Responsible for training customer end users and new personnel

HALLAM ASSOCIATES, Inc., South Burlington, Vermont 1999 - 2003
Controls Engineer

- Specification, design and support of the installation of LON Works and PLC based automated control systems for the semiconductor industry with an emphasis in gas monitoring systems and manufacturing support infrastructure such as scrubber systems, compressed air systems, HVAC systems, etc.

Education

VERMONT TECHNICAL COLLEGE, Randolph Vermont 1995-1999
Bachelor of Science in Electromechanical Engineering Technology

VERMONT TECHNICAL COLLEGE, Randolph Vermont 1995-1997
Associate in Civil Engineering Technology

Licensure

Registered Professional Electrical Engineer in the State of Vermont (License #018-0074561)