



Julie M. Porcaro

Ms. Porcaro has more than seven years of experience in the natural gas industry, focused in engineering, standardization, and regulatory strategy. She has been principally involved in developing asset management strategy and long term capital spending planning. In addition to her technical skills, she has experience building strong relationships with regulatory agencies to gain support for asset management and capital spend strategies.

Education

Worcester Polytechnic Institute, MA/
B.S./Mechanical Engineering/2004

Babson College, MA/MBA/2013

Representative Project Experience With CHA Includes:

National Grid, Waltham, MA:

Niagara Mohawk System Expansion Perform system analysis for possible expansion opportunities within existing territory and new franchise expansion opportunities as requested by the New York Public Service Commission. Included growth opportunities to new areas as well as optimal system configuration. Findings will be used for presentation to NY PSC on growth opportunities.

National Grid, Gas Main Replacement Design Project Manager providing guidance and expertise for detailed design of multiple gas main replacement projects in Massachusetts. Performed site visits, analyzed existing infrastructure in the area to develop route design and detailed connections drawings.

Vermont Gas Systems, Inc., South Burlington, Vermont:

Addison County Expansion Preliminary Engineering Project Manager and performed system analysis for 30+ mile expansion project preliminary engineering. Investigated and assessed multiple route options, performed hydraulic analysis using SynerGEE Gas software for size and pressure optimization and coordinated environmental and construction estimation reviews. Participated in public outreach to gain awareness and support for the project, included presentation of material to town and large customer representatives to gain public support for the project. Successful completion of the project resulted in a subsequent analysis for similar feasibility study for expansion to a potential large customer.

Algonquin Energy Services, Caribou, Maine:

Performed hydraulic feasibility analysis for potential pipeline re-commissioning project which included assessing current and future need for compression and pipeline size optimization for new main extension.

Prior Experience At National Grid:

Supervisor for NE Region, Operations Engineering. Supervised group responsible for performing growth analysis and evaluating planned construction work using SynerGEE modeling software. Managed engineering efforts during emergency response such as customer outages or water intrusion. Improved processes and created efficiencies by working closely with other departments.

Staff Engineer for Senior Vice President of Network Strategy. Worked closely with and supported the leadership team responsible for standards, policies and procedures; asset management and investment planning; resource management; reliability, integrity and design engineering; and gas control for the third largest and possibly the oldest natural gas system in the United States. Developed and utilized broad understanding of National Grid's gas distribution business by working on a variety of projects including the Integrity Management Program, PAS 55, Process Safety performance, Control Room Management, Aged/Deteriorating Infrastructure

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Replacement Strategy, Large-Scale Growth Infrastructure Requirements, and Sustainable Gas/Renewable Resource Opportunities such as Shale- and Bio-gas.

Gas Reliability Planning Engineer. Built and maintained network models for six regions in New England used by the department for all system analysis using GIS and customer billing data. Conducted in-depth systems analyses annually to ensure continuous reliable service to customers for seasonal system operations, model-to-actual system verification to ensure model accuracy, and creation of the 1-10 year work plan for distribution system growth and reliability considerations. Developed capability to use SynerGEE models for new analyses throughout the organization including gas supply sourcing, odorization monitoring point location placement, new SCADA location identification, emergency response and load curtailment planning, and critical facility identification.

Special Assignments. Provided technical expertise for MA and NH rate cases during the discovery process. Prepared responses to technical requests regarding system reliability, integrity, engineering practices, historical and projected, as well as process and procedure requests. Participated in a team tasked with designing the new process model for the US organization following announcement of re-organization of US business (from lines of business, gas and electric, to a combined organization). Analyzed existing process models within and external to the organization to develop a single, comprehensive process model which created clarity of roles and accountability throughout the organization.