

Steven Vitale Ph.D., P.E. Significant Projects as of Spring 2019

Date(s)	Name and Location of Client	Description
Summer 2019	Dominion Cove Point	Review and help implement the management of change program.
Winter/Spring 2019	Kinder Morgan	Developing and delivering e-learnings for “site specific” LNG Pretreatment and LNG Liquefaction for a dual MR 2.5 MPTA liquefaction plant. Learning will be via KM’s LMS platform.
Winter 2019	Gas Technology Institute	Developed the training materials for the GTI LNG Terminals Course. Course to be given in the Fall of 2019.
Fall 2018	Kinder Morgan Elba Island LNG	Develop and deliver a training program for a new liquefaction facility designed for Elba Island LNG
Fall 2018	Dominion Cove Point	Developed and delivered 4 day total plant training for LNG operation and troubleshooting of total plant leadership
Summer 2017 to present (in progress)	Confidential Client	Analysis for the Gas System evaluating off-system vs. LNG options.
Winter 2018	Kinder Morgan Elba Island LNG	Develop and deliver a training program for a new liquefaction facility designed for Elba Island LNG
Winter 2018	Dominion Cove Point LNG	Developed charts and spreadsheets for describing entire plant ESD system
Winter 2018	Dominion Cove Point LNG	Developed drawings for describing entire plant electrical layout
Winter 2018	Dominion Cove Point LNG	Developed 1 hours of audio over slides for training of new ground flair system
Fall 2017	Dominion Cove Point LNG	Developed 6 hours of audio over slides for 193 Code Required 2-year refresher training.
Fall 2017	Kinder Morgan Elba Island LNG	Develop and deliver a training program for a new liquefaction facility designed for Elba Island LNG
Summer 2017	South Jersey Gas	Developed report on the need for gas system compression for system reinforcement
Spring 2017	Dominion Cove Point LNG	Development of a 193-code compliant ship loading procedure for LNG tanker Loading at the Dominion Cove Point LNG Import/Export facility. Cove Point just commissioned a 750 MMSCFD liquefaction plant. I played a critical part in the

		solving of many of their design issues and confirming that they had procedures for managing unusual situations (like how to handle ships that came in from Dry Dock containing 14% CO2 and how to start up without flaring etc.
Spring 2017	Kinder Morgan Elba Island LNG	Develop and deliver a training program for a new liquefaction facility designed for Elba Island LNG
Summer 2016	Dominion Cove Point LNG	Provided LNG short course for senior management of Cove Point LNG
Summer 2016	South Jersey Gas, New Jersey	Provided system analysis for prudence of infrastructure improvements
Spring 2016 and still in progress (to present)	Kinder Morgan Elba Island LNG	Develop and deliver a training program for a new liquefaction facility designed for Elba Island LNG
Spring 2016 to present	Dominion Cove Point LNG	Provide training on base plant and new plant export liquefaction system (750 mmscfd). Delivered a 4-week training course on site for plant operators, DCS and maintenance staff.
Winter 2016	Dominion Cove Point LNG	Develop testing materials for the placement of personnel in existing and new LNG plant
Fall 2015	Williams	Opine on custody transfer metering at a pipeline LNG facility.
Spring 2015 to present	Dominion Cove Point LNG	Provide training on base plant and new plant export liquefaction system (750 mmscfd). Delivered a 4-week training course on site for plant operators, DCS and maintenance staff.
Winter 2015 to present	Law Firm of Levey Stieh and Gaughan	Provide expert testimony related to pipeline crossing private property
Summer 2015 to present	New Mexico Gas Company for New Mexico PUC	Developed expert testimony for the installation of a new LNG facility within the city limits of Albuquerque
Spring 2015	Gas Technology Institute	Presented LNG terminals course in British Columbia
Spring 2015 and still in progress (to present)	Kinder Morgan Elba Island LNG	Structure LNG training program for new export terminal (training to follow)
Spring 2014 and still in progress (to present)	Dominion Resources Services for Cove Point LNG	Provide continuous consulting services related to new liquefaction plant under design.

Fall 2014	Dominion Resources Services for Cove Point LNG	Provide executive training on technical components of the new liquefaction plant
Summer 2014 and still in progress. (to present)	Illinois Commerce Commission	Audit of Peoples Gas Light and Coke Accelerated Main Replacement Program
Fall 2013 to Spring 2014	Dominion Cove Point LNG	Produce and deliver a 2-week training course for LNG liquefaction plant.
Fall 2013	South Jersey Gas, New Jersey	Evaluate alternates to refilling an LNG tank via tanker trucks
Summer 2013	Columbia Gas Transmission Virginia	Developed and documented operating procedures for LNG plant expansion
Winter 2012 – 2013	Piedmont Natural Gas North Carolina	Developed and documented Fire and Gas philosophy, operating philosophy and operating procedures for LNG plant expansion
Winter 2012 – 2013 and still in progress	Alliance Energy Syracuse New York	Developed safety analysis for new transmission main installation within the city of Syracuse and presented same to City Common Council.
Winter 2012 – 2013	New Mexico Gas Company for New Mexico PUC	Developed expert testimony for the installation of a new LNG facility within the city limits of Albuquerque
Winter 2012 – 2013	Gas Technology Institute Doha, Qatar	Developed and taught a comprehensive LNG Import Terminal course
Fall 2012	South Jersey Gas Company for New Jersey Board of Public Utilities	Developed an analysis and expert testimony to justify expenditures for the installation of major reliability transmission infrastructure
Fall 2012	Longview Power Plant West Virginia	Evaluated options to supply interruptible gas serviced to a pulverized coal power plant
Fall 2012	Gas Technology Institute Dominican Republic	Developed and taught an 8-day safety and operations LNG course for AES to certify employees
Fall 2012	Gas Technology Institute	Developed and taught an LNG terminals course

	Shanghai China	
Summer 2012	Gas Technology Institute Beijing China	Developed and taught an LNG and Peak Shaving and Gas Thermodynamics course
Spring 2012	Gas Technology Institute Bilbao Spain	Developed and taught an LNG terminals course
Spring 2012	Gas Technology Institute Houston Texas	Developed and taught an LNG Peak Shaving course
Spring 2012	Vitale Technical Services Inc. Published by the Gas Technology Institute	Authored and published the book titled: "LNG and Gas II, a Software Aided Guide to Thermodynamics" This was Dr. Vitale's 2 nd book
Spring 2012	Vitale Technical Services Inc. Published by the Gas Technology Institute	Developed an e-learning course on LNG Plant Safety
Winter 2011 – 2012	Vitale Technical Services Inc. Published by the Gas Technology Institute	Developed an e-learning course on LNG Plant Operations
Winter 2011 – 2012	Vitale Technical Services Inc.	Developed an e-learning course on LNG and Gas Thermodynamics
Winter 2011 – 2012	Columbia Gas Transmission Virginia	Developed and documented maintenance procedures for an LNG plant
Winter 2011 – 2012	Pacific Gas and Electric California	Developed and presented a custom course for Emergency and Peak Shaving responding LNG personnel for gas pipeline system integrity
Spring 2011	Dominion Hope Gas for PUC of West Virginia	Provided expert testimony developed from company metrics and compared same to regional and U.S. utilities for an accelerated main replacement program
Summer 2011	Gas Technology Institute Rotterdam	Developed and taught an LNG terminals course

Spring 2010	QNL Quintero Chile South America	Audited the new installation of an LNG plant before transfer of the plant from the contractor to the owner
Spring 2010	Citizens Gas Company Indiana	Safety, reliability and operability audit of existing LNG facility
Spring 2010	National Grid New York	Developed an analysis of existing LNG tank capabilities
2009-2010	Dominion Cove Point LNG	Wrote the Operations Manual for entire Plant Operations
Winter 2009 – 2010	Helms and Company working regarding Con Edison Construction irregularities for NYSPPSC	Investigated construction checks and balances that allowed inappropriate activities to occur between Con Edison and contractor personnel.
Summer 2009	Columbia Gas of Kentucky For PUC of Kentucky	Provided expert testimony developed from company metrics and compared same to regional and U.S. utilities for an accelerated main replacement program
Fall 2009	Canaport LNG New Brunswick, Canada	Developed training and employee certification tests for LNG staff
Summer 2008	Dominion Gas of East Ohio For PUC of Ohio	Provided expert testimony developed from company metrics and compared same to regional and U.S. utilities for an accelerated main replacement program
Summer 2008	South Jersey Gas Company for New Jersey Board of Public Utilities	Provided expert testimony to analyze and evaluate various methods of providing a safe and reliable gas system that avoids service interruptions
2008	Dominion Cove Point LNG	Reviewed and modified as needed operating procedures for plant expansion (1 BCF/D to 1.84 BCF/D Vaporization (Addition of Recondenser and 6.6 BCF of additional storage))

2007-2008	Dominion Cove Point LNG	Commissioning Engineer for commissioning of new plant. HAZOP follow up and procedure development for bring plant from Mechanical Complete to Operational
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