



**Causey Engineering
LLC**

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Causey Engineering LLC

"Forensic and Investigative Services"

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Curriculum Vitae

THOMAS J. NORRIS, P.E., BSCHE

Mr. Norris is an Associate of Causey Engineering LLC. Causey Engineering has for over 18 years been providing forensic and investigative engineering services and litigation support, specializing in industrial, utility and construction issues. Mr. Norris has particular experience in rate and regulatory matters for natural gas and electric transmission and distribution.

Education:

Manhattan College

Bachelor of Chemical Engineering

Harvard University

Advanced Management Program

University of Maryland

Lecturer

A.G.A. Advanced Regulatory Course

Harvard University

Seminar on the Art of Negotiation

University of Texas

Management Program

University of Colorado

Guest Lecturer

NARUC Short Course on Utility
Regulation

University of Wisconsin

Lecturer at Natural Gas Regulatory
Seminar

Registrations:

Professional Engineer: Registered in New York State

Work Experience:

Causey Engineering LLC, Austin, TX 2005 to Present

Forensic Expert: Provide Forensic and investigative work related to rate and regulatory matters for natural gas transmission and distribution, and for electric power distribution. Causey Engineering provides engineering analysis, governmental regulation investigation and research, accident reconstruction and litigation support primarily related to oil and gas, refineries, chemical and petrochem plants, central power stations, electronic manufacturing, food processing, pulp and paper, lumber manufacturing, industrial construction, and warehousing.

Pendulum Engineering LLC, Houston TX and Andover, MA 1997 to 2007

Founding Principal: Provide management and expert witness services to the natural gas sector of the energy industry, focusing on economic and regulatory issues including rates, cost allocation and supply and marketing issues.

Tenneco, Inc. - 1976 to 1996

Natural Gas Pipeline Division. Progressed from Manager of Rates in 1976 to Senior Vice President of Major Projects in 1995. Officer from 1983 to 1995 with broad variety of responsibilities.

Vice President Rates 1983:

- Responsible for filing and settling rate increase applications and other regulatory issues for all of Tenneco's pipelines.

Vice President Operations 1986:

- Gas Control - Responsible for day to day operation of the 16,000 mile Tenneco pipeline system
- Measurement - Responsible for the measurement of all gas entering and leaving the pipeline system, including issues relating to gas quality.
- Operations Coordination - Responsible for daily and weekly scheduling of gas purchases, exchanges and storage operations. Gas Contract management and minimization of Take or Pay
- Transportation & Exchange - Negotiate and manage all transportation agreements and revenues of several hundred millions per year.

Vice President Supply 1989:

- Gas Supply - Manage relations with all producer-suppliers including negotiation and administration of all gas supply contracts.
- Gas Reserves - Department that reviewed gas supply projects to estimate reserves and deliverability.

Vice President Strategy 1991:

- Rate Department Rate and Tariff matters.
- Regulatory Affairs Federal and State regulatory matters.
- Strategic Planning - Developed five-year plans for pipeline group.

Vice President Development 1993:

- Market development - Development of capital projects and joint ventures in the market area of the pipeline scheme.
- Supply Development - Development of capital projects and joint ventures in the supply area.

Senior Vice President Major Projects 1995:

- Kern River Gas Transmission - President, 900 mile pipeline from Rocky mountain supply area to California joint venture with Williams.
- Altamont Gas Transmission - President of proposed joint venture pipeline development project to deliver Canadian gas to California.
- Western Market Center - President of joint venture project to develop commercial market center for Rocky mountain gas sales.

New York State Public Service Commission 1963 to1975

Chief of Gas Rates: State organization responsible for regulating the gas, electric, water and telephone utilities of the state. Progressed from Junior Engineer to Chief of Gas Rates and Chief of Gas Planning holding both positions simultaneously.

Professional Memberships/Organizations:

IPU Institute of Public Utilities - Member of the Advisory Board

Natural Gas Magazine - Editorial Advisory Board

INGAA Interstate Natural Gas Association of America - Chairman of Rate and Policy Committee

AGA American Gas Association - Chairman of pipeline section of Rate Committee

Forensic Experience:

Expert witness testimony and depositions given in rate and court proceedings over the whole career.

Use of this CV is prohibited until we have a mutually signed agreement concerning your engagement of Causey Engineering LLC. Pending such, the use of our name is also prohibited, and we reserve the right to accept assignment by others in lieu of your firm