

# DOUGLAS C. BUCHAN

DOUGLAS C. BUCHAN & ASSOCIATES, INC.  
*Energy Experts - Consultants - Investigators*  
**Propane • Natural Gas • Petroleum Products • LPG**

1067 42 Avenue NE  
St. Petersburg, Florida 33703

(727) 527-4279  
Fax (727) 822-7195



- Experienced - Certified - Qualified
- Owner/Operator, Gas Company, 30 years
- Owner/Operator, Oil Company, 30 years
- Gas license, 30 years
- Mechanical contractor, 30 years
- Service, installation and safety management.
- State of Florida  
Gas Board for Examining, Adjustments and Appeals - Chairman  
Public Service Commission - Advisory Board  
Board of Adjustment - Chairman
- The White House  
Sub-Cabinet appointment
- U.S. Department of Energy  
Energy Expert-Consultant
- U.S. Department of Transportation  
Consultant
- Professional Affiliations:
  - National - Codes & Standards Association
  - National - Gas Associations
  - National - Petroleum Associations
  - National - Petroleum Jobbers Association
  - National - Fire Investigators
  - State - Gas Association
  - State - Petroleum Associations
  - State - Oversight Boards
  - Chairman - Education, Safety and Training Committees
  - CEO - Petroleum Industry
  - CEO - Gas Industry
  - CEO - Trade Associations
  - White House Appointee - Energy Expert
  - Deputy Assistant Secretary of Energy  
Washington, D.C. 1989 - 1993
  - Energy Consultant, United States Government  
Washington, D.C. 1994 - 2000



National Fire Protection Association

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Email: buchandoug@msn.com

## DOUGLAS C. BUCHAN

1. I have over 40 years of experience in the gas and petroleum industry's, including serving as a senior Sub-Cabinet Level Official for the United States Department of Energy and as a Special Assistant to the President for Consumer Affairs and Public Liaison on energy related issues from 1989 to March of 1993, and as a consultant on natural gas, propane/liquefied petroleum gas, hazardous materials and petroleum products for the United States Government from 1994 to 1999. My experience includes more than 40 years of hand-on work within the gas industry as an owner/operator of a gas company, owner/operator of a Petroleum products distribution company. From 1955 through 1987, I was President, owner and operator of Buchan Gas Company which was a gas distributor, propane and natural gas service and installation company and mechanical contractor in the Tampa Bay area of Florida. My experience includes gas installations, gas piping and gas regulations and Policy and Procedures and Standards. My experience also includes propane and natural gas pipeline safety issues, gas safety issues, gas pipeline regulations, gas operation standards, operator qualifications, policies and procedures, gas equipment, gas utilization equipment, gas

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pipng, gas meters, gas regulators, gas system leak checking, pressure testing and inspection requirements and related safety issues, gas system protection requirements, and service and installation of gas piping and gas appliances. My experience with gas and gas related installations and fires and explosions are extensive. Beginning in the early 1970's, I served as a consultant to the local fire department regarding gas emergencies, fires and explosions, and I have served and continue to serve on the Florida/Pinellas County Regulatory Board which has oversight responsibility for permitting, inspection and enforcement of building codes, including gas, plumbing and mechanical codes. I have been qualified as an expert witness by trial judges in the energy and gas field in State and Federal Courts in 24 different states.

2. I have undergone and continued specialized training as a member of the gas industry's Energy and Training Network (ETN), the Operator's Qualifications Consortium, the Midwest Energy Association (MEA), Energy U, the National Fire Protection Association (NFPA), the International Code Council (ICC), the National Propane Gas Association (NPGA), the Propane Education Research Council (PERC), the Common Ground Alliance (CGA), and the National Association of Fire Investigators (NAFI).

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3. My expertise covers gas distribution, installations, delivery and related services. My expertise also includes, but is not limited to the responsibilities of these industries to distribute, service and deliver their products safely to their customers. My focus is on codes, regulations, standards, policy and procedures, standard practices in and for the distribution and handling of natural gas, propane gas, petroleum products and hazardous materials from the product source to their end users. My experience covers gas and petroleum product distribution from their source to the gas and petroleum utilization equipment which is supplied for these products.

4. I have provided hand-on training and instruction as an owner/operator to hundreds of gas and petroleum related service and related technicians in the areas of piping, installations, service and emergency response. My areas of expertise include regulations and standards, policy and procedures, operations and maintenance, management, training, standard practices, industry standards, installations, pipelines, safety and oversight, fire and explosion origin and cause as it relates to natural gas, propane gas and fuel gas products.

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5. From 1989 to 2000, I held energy related employment with the United States Government including Deputy Assistant Secretary of Energy from 1989 to March of 1993, and consultant and gas expert consultant for the United States Department of Energy from 1994 thru 1995 and the United States Department of Transportation, Office of the Chief Counsel, on the development of HM-225, hazardous material cargo tank rulemaking from 1997 through 1999.

I was the Senior Federal Official for policy, procedure, oversight, legislation, liaison, consumer affairs and implementation for natural gas, propane gas, petroleum and related industries. I developed and implemented two energy emergency conferences for the natural gas and propane gas industries, one on the West Coast and one on the East Coast during 1990's. I also served as United States Department of Energy liaison with the Federal Energy Regulatory Commission (FERC), and other government agencies pertaining to energy issues. I have served as Chairman and President of the Florida Petroleum and Gas Trade Association, and as a Member of the Florida Public Service Commission Advisory Board, and the Fuel Allocation Advisory Board.

6. I have undergone specialized training and hold certifications from the National Association of Fire Investigators (NAFI) in fire and explosion investigations. I have

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undergone training from the Midwest Energy Association (MEA), the Energy Training Network (ETN), the National Fire Protection Association (NFPA), and the National Propane Gas Association (NPGA), on natural gas and propane gas operator qualifications, operations and maintenance policies and procedures, Fuel Gas Codes including NFPA 54 and NFPA 58, hazardous materials, gas service, gas regulators and installation schools including technical seminars and manufacturers training schools, gas management, gas safety, NPGA's gas check and leak response and investigation, gas equipment, piping and container protection and natural gas and propane gas training seminars. A copy of my Curriculum Vitae describing my qualifications and certifications is attached.



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**Natural Gas • Propane Gas • Gasoline/Petroleum • Hazardous Materials**

### EXPERT CREDENTIALS

#### Profile

Doug Buchan is an energy expert with over 40 years of expertise and hands-on experience in the propane, natural gas and petroleum products distribution industries. I have been qualified by Trial Judges to testify as an expert witness in twenty-two states and also in Puerto Rico. My expertise covers natural gas distribution and related services, propane gas distribution, installations, delivery and related services. Petroleum products distribution and their related standards and regulatory requirements. My expertise also includes, but is not limited to the responsibilities of these industries to distribute, service and deliver their products safely to their customers. This includes their responsibilities in responding to emergencies. My focus being on codes, regulations, standards, policy and procedures, standard practices in and for the distribution and handling of natural gas, propane gas, petroleum products and hazardous materials, from the product source to their end users. My expertise covers gas and petroleum distribution from their source to the gas and petroleum utilization equipment that are being supplied by these products.

I also served as Deputy Assistant Secretary for the U.S. Department of Energy, and as a gas and oil expert/consultant for the United States Government. I served as a member of The White House, Office of Special Assistant to the President for Public Liaison and Consumer Affairs on these subject areas. I was the lead U.S. Department of Energy, The White House and the senior Administration official that built the energy industry coalition that lead to the passage the Energy Policy Act of 1992 (EPACT).

I have provided hands-on training, as an owner/operator, to hundreds of gas and petroleum related service and installation technicians in the areas of piping, installations, service and emergency response. My areas of expertise include; regulations and standards, policy and procedures, operations and maintenance, management, training, standard practices, installations, pipelines, safety and oversight, fire and explosion origin and cause as it relates to natural gas, propane gas, petroleum products.

#### Licensing

- ▶ Gas distributor, gas appliances, piping, installation, service and distribution
- ▶ Mechanical Contractor
- ▶ Petroleum products, hazardous materials distributor/jobber

#### Consulting/ Liaisons

- ▶ Senior federal government official for policy, procedures, oversight, legislation, liaison, consumer affairs and implementation for natural gas, propane gas, petroleum and related industries.
- ▶ Consultant for U. S. Department of Energy and Transportation (developed and implemented two energy emergency conferences for the natural gas and propane gas industries; one on west coast and one on east coast during 1995).
- ▶ U. S. Department of Energy liaison with the Federal Energy Regulatory Commission (FERC)
- ▶ U.S. Department of Energy liaison with DOT, development of Pipeline Safety regulations
- ▶ Energy liaison with:
  - U. S. Department of Transportation
  - U. S. Department of Commerce
  - Consumer Products Safety Commission
  - Environmental Protection Agency
  - OSHA, U. S. Department of Labor
  - U. S. Department of Interior

## **Associations/Memberships/Committees**

- ▶ National Association of Fire Investigators
- ▶ National Fire Protection Association
- ▶ Southern Building Code Congress International
- ▶ International Code Council
- ▶ Energy Training Network (ETN)
- ▶ Operator Qualification Consortium
- ▶ Midwest Energy Association (MEA)
- ▶ Common Ground Alliance (CGA)
- ▶ Petroleum Equipment Institute (PEI)
- ▶ Underwriters Laboratories, Inc. (UL)
- ▶ Pinellas County Plumbing and Mechanical Board
- ▶ Pinellas County Gas Examining Adjustments and Appeals Board (Oversight authority over the natural gas and propane gas industry)
- ▶ Florida Public Service Commission, Advisory Committee
- ▶ Gas and oil industry trade associations: President, Vice-president and Chairman
- ▶ NFPA Architects, Engineers & Building Officials Section

## **SPECIALIZED TRAINING**

### **Training**

- ▶ NAFI Fire & Explosion Investigations
- ▶ NAFI Origin and Cause
- ▶ MEA/ETN Operator Qualifications
- ▶ MEA/ETN Train The Evaluator
- ▶ MEA/ETN Operation and Maintenance Policy and Procedures
- ▶ NFPA Fuel Gas Codes
- ▶ NFPA Hazardous Materials
- ▶ Gas service, gas regulators and installation schools; including technical seminars and manufacturer's training schools
- ▶ Gas management and safety
- ▶ Gas safety, gas check and leak response and investigation
- ▶ Gas equipment, piping and container cathodic protection
- ▶ Oil heat/installation & service
- ▶ Office of Pipeline Safety, U.S. Department of Transportation
- ▶ Natural and Propane Gas training seminars
- ▶ Gasoline storage, equipment, delivery and marketing
- ▶ Petroleum products storage, delivery and marketing

### **Investigation Training**

- ▶ National Association of Fire Investigators
- ▶ Origin and Cause fuel gas fire investigation
- ▶ U.S. Department of Energy, exploration, drilling rigs and related equipment
- ▶ Energy Training Network, qualifications training, modules and seminars
- ▶ National Fire Protection Association's standards training and seminars
- ▶ National Propane Gas Association's training, updates and seminars
- ▶ Common Ground Alliance training seminars
- ▶ Petroleum Equipment Institute's safety bulletins, equipment and training seminars

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## CAREER BACKGROUND:

## GOVERNMENT SERVICE

### **United States Government** **1989-2000**

Deputy Assistant Secretary of Energy 1989-1993

Director, Public Liaison and Consumer Affairs, U.S. Dept. of Energy

Member, U.S. Office of Consumer Affairs, The White House

Member, The White House Office of Public Liaison

Liaison, U.S. Department of Transportation

Liaison, U.S. Department of the Interior

Liaison, U.S. Consumer Product Safety Commission (CPSC)

Liaison, Environmental Protection Agency

Liaison, Occupation Safety & Health Administration (D.O.L)

Liaison, Propane gas industry and related trade groups

Liaison, Natural gas industry and related trade groups

Liaison, Renewable and Alternative Fuel industries, related groups

Liaison, Nuclear Energy industry and related associations

Liaison, Coal industry and the National Coal Association

Liaison, Chemical Manufacturers Association and related companies

Liaison, Public Interest Groups

Liaison, Electric energy groups, companies and associations

Liaison, all energy and energy related associations & corporations

Liaison, environment associations and related corporations

Liaison, U.S. Chamber of Commerce and consumer groups

Consultant, U.S. Department of Energy 1994-1995

Propane Expert, U.S. Department of Energy 1994-1995

Heating Fuels Expert, U.S. Department of Energy 1994-1995

Natural Gas Distribution, U.S. Department of Energy 1994-1995

Energy Emergencies consultant, U.S. Department of Energy 1994-1995

Consultant, U.S. Department of Transportation 1997-2000

### **State of Florida**

Gas Advisory, Examining and Licensing Board

Florida Public Service Commission Advisory Board

Fuel Allocation Advisory Board