

ELENCHUS RESEARCH ASSOCIATED

FRED A. HASSAN, P.ENG, M.B.A.

Fred Hassan has over 25 years experience in the energy industry. He has held key positions with Union Gas Limited and Centra Gas Ontario Inc. that provide him with a big picture and detailed level understanding of the structure of gas supply, gas storage and upstream gas transportation in many jurisdictions in North America. Fred is recognized as a leading innovator of new gas supply practices in North America. He restructured Union's gas supply and transportation portfolios, dealt with the impacts of deregulation, helped design and implement new direct purchase contracts, implemented new supply, transport and facility optimization programs, designed and introduced new index contracts and designed and implemented new commodity and transportation risk management processes and commercial practices. On the electricity side, Fred represented the Ontario gas industry on the Ontario Government's Market Design Committee. In addition, as Ontario Power Generation's (OPG) Director of New Market Development, he helped create an Ontario task force on distributed generation that developed recommendations on the removal of impediments to new distributed generation in Ontario. While with OPG, Fred led the development of OPG's gas wholesale C/I strategies and assessed the gas issues, costs and impacts of coal conversion scenarios.

EXPERIENCE

Elenchus Research Associates
Associate

Ontario Power Generation
Director - New Market Development
Gas Strategist

Union Gas Limited
Director - Strategic Asset Opportunities
Director - Strategic Planning
Director - Delivery Services Transition
Director - Gas Supply (Centra/Union)
Director - Gas Supply (Union)
Manager - Gas Supply Logistics
Manager - Direct Sales
Various Positions

Manager Northern Division, Manager Chatham Division Sales, Industrial Sales Representative, Standards Engineer-Windsor

EDUCATION

Queen's University
Strategic Leadership 2000
University of Western Ontario
Western Executive Program (W.E.P.) 1989
University of Windsor

Master of Business Administration (MBA)	1984
University of Western Ontario	
Marketing Management Course (M.M.C.)	1983
University of Windsor	
Bachelor of Applied Science (BASc, P.Eng.)	1979
University of Windsor	
Bachelor of Arts (BA)	1975

BOARDS AND ASSOCIATIONS

Chatham-Kent Energy Corporation- Board Member, Chair Compensation Committee, Member Audit Committee

Chatham Kent Utility Services – Chair

Ontario Energy Association – Member Energy Marketing Committee

Independent Market Operator - Stakeholder Technical Advisory Team

Ontario Natural Gas Association - Chair Strategic Planning Committee, Member Energy Marketing Committee, Former Chair Gas Supply Committee

Professional Engineer's of Ontario