
James Richard Hornby

Senior Consultant

Synapse Energy Economics, Inc.

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Senior Consultant*, 2006 to present.

Analysis and expert testimony regarding planning, market structure, ratemaking and contracting issues in the electricity and natural gas industries.

Charles River Associates (formerly Tabors Caramanis & Associates), Cambridge, MA.

Principal, 2004-2006.

Senior Consultant, 1998-2004.

Provided expert testimony and litigation support in several energy contract price arbitration proceedings, as well as in electric and gas utility ratemaking proceedings in Ontario, New York, Nova Scotia and New Jersey. Managed a major productivity improvement and planning project for two electric distribution companies within the Abu Dhabi Water and Electricity Authority. Analyzed a range of market structure and contracting issues in wholesale electricity markets.

Tellus Institute, Boston, MA.

Vice President and Director of Energy Group, 1997–1998.

Presented expert testimony on rates for unbundled retail services in restructured retail markets and analyzed the options for purchasing electricity and gas in those markets.

Manager of Natural Gas Program, 1986–1997.

Prepared testimony and reports on a range of gas industry issues including market structure, unbundled services, ratemaking, strategic planning, market analyses, and supply planning.

Nova Scotia Department of Mines and Energy, Halifax, Canada; 1981–1986

Member, Canada-Nova Scotia Offshore Oil and Gas Board, 1983–1986

Member of a federal-provincial board responsible for regulating petroleum industry exploration and development activity offshore Nova Scotia.

Assistant Deputy Minister of Energy 1983–1986

Responsible for analysis and implementation of provincial energy policies and programs, as well as for Energy Division budget and staff. Directed preparation of comprehensive energy plan emphasizing energy efficiency and use of provincial energy resources. Senior technical advisor on provincial team responsible for negotiating and implementing a federal/provincial fiscal, regulatory, and legislative regime to govern offshore oil and gas. Directed analyses of proposals to develop and market natural gas, coal, and tidal power resources. Also served as Director of Energy Resources (1982-1983) and Assistant to the Deputy Minister (1981-1982).

Nova Scotia Research Foundation, Dartmouth, Canada, Consultant, 1978–1981
Edited Nova Scotia's first comprehensive energy plan. Administered government-funded industrial energy conservation program—audits, feasibility studies, and investment grants.

Canadian Keyes Fibre, Hantsport, Canada, Project Engineer, 1975–1977

Imperial Group Limited, Bristol, England, Management Consultant, 1973–1975

EDUCATION

M.S., Technology and Policy (Energy), Massachusetts Institute of Technology, 1979.
Thesis: "An Assessment of Government Policies to Promote Investments in Energy Conserving Technologies"

B.Eng. Industrial Engineering (with Distinction), Dalhousie University, Canada, 1973

SELECTED TESTIMONY

Arkansas Public Service Commission, 06-152-U, Phase II A, Entergy Arkansas, October 2007 and November 2007. Review of proposed interim tolling agreement and proposed allocation of Ouachita Power capacity between retail and non-retail.

Washington Utilities & Transportation Commission, Docket Nos. UE-070804 and UG-070805, October 2007. Review of Avista Utilities request for increases in rates and changes in its revenue recovery mechanisms.

California Public Utilities Commission, R.06-02-013, Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas and Electric Company, March 2007. Review of Long-Term Procurement Plans.

Arkansas Public Service Commission. 06-152-U, Entergy Arkansas, January 2007. Review of need for new load-following capacity.

Michigan Public Service Commission, Case No. U-14992, December 2006. Review the proposed sale of the Palisades nuclear plant and associated power purchase agreement.

Arizona Corporation Commission, Docket E-01345A-05-0816, August 2006 and September 2006. Review of Arizona Public Service hedging strategy and Base Fuel Recovery Amount.

Michigan Public Service Commission, Case No. U-14274-R, October 2006. Review the Resource Conservation Plan for purchases from Midland Cogeneration Venture Limited Partnership.

Illinois Commerce Commission, Docket No. 06-0540, October and December 2006. Review of service quality issues.

State Of Connecticut, Department Of Public Utility Control. Docket No. 06-03-04PH01, November 2006. Review gas supply strategy and proposed rate recovery.

Testimony before an arbitration panel in Toronto, Ontario, on behalf of a cogeneration plant regarding a dispute over a component of the price for steam under a 20-year contract. January 2006.

Testimony before an arbitration panel in Halifax, Nova Scotia, on behalf of Nova Scotia Power against Shell Canada regarding the determination of a new price under their ten year natural gas supply contract. October 2005.

State of New York, Public Service Commission, Case 00-M-0504, September 2002 and October 2002. Review of estimates of embedded costs of unbundled services (e.g., supply, distribution, metering, billing), and associated proposed rates, filed by Consolidated Edison of New York and New York State Electric and Gas respectively.

State of New Jersey Board of Public Utilities, BPU Docket GM00080564, April 2001. Analysis of the proposed transfer of gas supply and capacity contracts from Public Service Electric and Gas to an unregulated affiliate, and the full requirements supply contract associated with that transfer.

Nova Scotia Utility and Review Board, NSUARB-NG-SEMPRA-SEM-00-08, February 2001. Review of proposed distribution service tariff, including methodology for setting market-based rates, rates for large customers and default supply.

State of New Jersey Board of Public Utilities, BPU Docket EX99009676, March 2000. Analysis of the design and pricing of customer account services to be offered by utilities on an unbundled basis.

United States of America Bonneville Power Administration, BPA Docket WP-02, (TCA #391), November 1999. Functionalization of Communication Plant.

South Carolina Public Service Commission, 99-006-G, South Carolina Electric and Gas, October 1999. Reasonableness of purchased gas costs.

State of New Jersey Board of Public Utilities, BPU Dockets GO99030122–GO99030125, July 1999 and sur-rebuttal September 1999. Analysis of service unbundling policies and rates proposed in filings of Public Service Electric & Gas, South Jersey Gas, New Jersey Natural Gas, and Elizabethtown Gas.

Maine Public Utilities Commission, Docket 97-393, Northern Utilities Inc., September 1998 and rebuttal December 1998. Review of request for approval of rate redesign and partial unbundling proposal.

Pennsylvania Public Utility Commission, R-00984281, A-12250F0008, Peoples Natural Gas, May 1998. Analysis of the reasonableness of 1998 1307(f) filing and proposal to transfer production assets to affiliate.

State of New Jersey, Board of Public Utilities, BPU E09707 0465, OAL PUC-7309-97, BPU E09707 0464, OAL PUC-7310-97, January 1998 with Supplemental and Sur-rebuttal March 1998. Analysis of rate unbundling filing of Rockland Electric Company.

State of New Jersey, Board of Public Utilities, BPU E09707 0459, OAL PUC- 7308-97, BPU E09707 0458, OAL PUC-7307-97, November 1997. Analysis of rate unbundling filing of Jersey Central Power & Light Company d/b/a GPU Energy.

Pennsylvania Public Utility Commission, R-00963858, Equitable Gas Company, June 1997 with rebuttal and sur-rebuttal July 1997. Analysis of the reasonableness of rate structure proposals.

Pennsylvania Public Utility Commission, R-00973896 and A-0012250F-0007, (Tellus 97-065) Peoples Natural Gas Company, May 1997. Review of 1997 1307(f) filing, proposal to transfer producing assets to CNG Producing Company, and proposed Migration Rider.

South Carolina Public Service Commission, 97-009-G, South Carolina Pipeline Corporation, April 1997. Reasonableness of proposal to acquire an additional 75,700 Mcf/day of capacity from Transco.

Federal Energy Regulatory Commission, RP95-197-001, RP97-71-000, March 1997. Review of proposed rolled-in ratemaking for Leidy Line incremental facilities.

Arkansas Public Service Commission 95-401-U, Arkla, September 1996. Review of proposed gas purchasing and transportation plan.

Maine Public Utilities Commission, 95-480, 95-481, April 1996, proposed Precedent Agreement between Northern Utilities, Inc. and Granite State Gas Transmission, Inc. for LNG Storage Service (95-480); and PNGTS for Transportation Service (95-481).

Rhode Island Public Utilities Commission, 2025, November 1995, Settlement Agreement reached between ProvGas and the Division of Public Utilities and Carriers.

Pennsylvania Public Utility Commission, R-953406, October 1995, application of T.W. Phillips Gas and Oil Co. for increase in rates and changes in rate and tariff design.

Illinois Commerce Commission, 95-0219, August 1995, application of Northern Illinois Gas Company for increase in rates and changes in rate and tariff design.

Pennsylvania Public Utility Commission, R-953316, May 1995, purchased gas costs and gas procurement of Columbia Gas of Pennsylvania with Supplemental Direct Testimony and Sur-Rebuttal Testimony.

Pennsylvania Public Utility Commission R-943252, (Tellus 95-039), May 1995, application of Peoples Natural Gas Company for increase in rates and changes in rate and tariff design.

South Carolina Public Service Commission, 94-007-G, (Tellus 95-038), April 1995, reasonableness of 1994 purchased gas costs of South Carolina Pipeline Corporation.

Pennsylvania Public Utility Commission R-943207, (Tellus 95-014), March 1995, 1995 Purchased Gas Adjustment filing of National Fuel Gas Distribution Corp.

Pennsylvania Public Utility Commission, R-00943063, (Tellus 94-271), December 1994, design of FERC Order 636 transition cost tariff of UGI Utilities, Inc.

South Carolina Public Service Commission, 94-008-G, (Tellus 94-173), October 1994, 1994 Purchased Gas Adjustment of South Carolina Electric and Gas Co.

Oklahoma Corporation Commission, PUD 920, 001342, (Tellus93-250) September 1994, reasonableness of gas supply strategy of Public Service of Oklahoma, including payments to Transok, Inc. for transportation and agency services and rate mechanism for cost recovery. November 1994 Rebuttal testimony in above docket.

Pennsylvania Public Utility Commission, R-943078, (Tellus 94-155), September 1994, Market Sensitive Sales Service proposed by Pennsylvania Gas and Water Company (PG&W).

Massachusetts Department of Public Utilities, D.P.U. 93-141-A, (Tellus 94-184), September 1994, response to questions regarding policies on interruptible transportation and capacity release in DPU IT/CAPACITY RELEASE SCOPE document dated June 16, 1994. October 1994 Comments in above docket.

Hawaii Public Utilities Commission, 7259, (Tellus 94-020), August 1994, HELCO'S proposed DSM programs for competitive energy end-use markets and its multi-attribute analysis.

Pennsylvania Public Utility Commission, R-00943066, (Tellus 94-135), July 1994, 1994 Purchased Gas Adjustment of Pennsylvania Gas and Water Company. August 1994 Sur-rebuttal testimony in above docket.

Pennsylvania Public Utility Commission, R-942993, R-942993 C0001-C0004, (Tellus 94-110), May 1994, proposal of Pennsylvania Gas and Water Company for recovery of FERC Order 636 transition costs. May 1994 Rebuttal testimony in above docket.

Pennsylvania Public Utility Commission, R-943001, (Tellus 94-018), May 1994, application of Columbia Gas of Pennsylvania for an increase in rates and changes in rate design, specifically Negotiated Sales Service.

Pennsylvania Public Utility Commission, R-943029, (Tellus 94-093), May 1994, 1994 Purchased Gas Adjustment of Columbia Gas of Pennsylvania.

Pennsylvania Public Utility Commission, R-932866, R-932915, (Tellus 93-243), 1994, Direct and rebuttal testimony on application of Peoples Natural Gas Company for increase in rates and changes in rate design. March 1994 Rebuttal testimony in above docket.

Kansas Corporation Commission, 180,056-U, (Tellus 92-105), February 1994, Oral Testimony on IRP Rules for gas utilities.

Arizona Corporation Commission, E-1032-93-111, (Tellus 93-099), December 1993, application of Citizens Utility Company, Arizona Gas Division, for an increase in rates, and changes in rate design. January 1994 Sur-rebuttal testimony in above docket.

Hawaii Public Utilities Commission, 7257 (Tellus 93-144B5), December 1993, proposed DSM programs for end-use markets, specifically HECO's residential sector water heating program.

Hawaii Public Utilities Commission, 7261 (Tellus 93-171), September 1993, GASCO IRP. December 1993 Rebuttal testimony in above docket.

Pennsylvania Public Utility Commission, R-932655, R-932655 C001, R-932655 C002, (Tellus93-149), September 1993, balancing service charge proposed by PG&W.

Pennsylvania Public Utility Commission, R-932676, (Tellus 93-092), July 1993, 1993 Purchased Gas Adjustment filing of Pennsylvania Gas and Water Company. July 1993 Rebuttal Testimony in above docket.

Public Utilities Commission of Rhode Island, 2025, (Tellus 93-018), April 1993, Providence Gas Company Integrated Resource Plan.

Pennsylvania Public Utility Commission, I-900009, C-913669, (Tellus 91-074), March 1993, Equitable's charges for transportation service and cost allocation methods in general.

Arkansas Public Service Commission, 92-178-U, (Tellus 92-014), August 1992, Stipulation and Agreement concerning gas cost and purchasing practices issues in Dockets No.91-093-U (Arkla Energy Resources) and No. 92-032-U (Arkansas Louisiana Gas).

Colorado Public Utilities Commission, 91R-642EG, (Tellus 91-203), August 1992, Draft, proposed gas integrated resource planning (IRP) rule.

Pennsylvania Public Utility Commission, R-00922324, (Tellus 92-117), July 1992, 1992 Purchased Gas Adjustment filing of PG&W. July 1992 Supplemental Testimony in above docket.

Pennsylvania Public Utility Commission, R-922180, (Tellus 92-039), May 1992, application of Peoples Natural Gas Company for an increase in rates and accompanying changes, in rate design. June 1992 Rebuttal Testimony in above docket. June 1992 Sur-rebuttal Testimony in above docket

Michigan Public Commission, U-10030, (Tellus 91-120), April 1992, 1992 Gas Cost Recovery Plan submitted Service by Consumers Power Company, specifically the role of demand-side management as a resource in five-year forecast and supply plan.

Pennsylvania Public Utility Commission, R-912140, (Tellus 92-038), March 1992, review of 1992 Purchased Gas Adjustment of T.W. Phillips.

Federal Energy Regulatory Commission, RP91-161-000 et al., RP91-160-000 et al., (Tellus 91-175), February 1992, review of cost allocation and rate design issues in rate case application of Columbia Gas Transmission and Columbia Gulf Transmission (on behalf of PA OCA).

Arkansas Public Service Commission, 91-093-U, (Tellus 92-014), February 1992, establishment of a base cost of gas for Arkla Energy Resources (AER), modification of Purchased Gas Adjustment (PGA). June 1992 Sur-rebuttal Testimony in above docket.

New Hampshire Public Utilities Commission, DR90-183, (Tellus 91-164), January 1992, role of embedded cost-of-service studies, level of customer charges, seasonal differential in commodity rates; and class revenue requirements (Energy North Natural Gas, Inc.).

Arizona Corporation Commission, U-1551-89-102 & U-1551-89-103, U-1551-91-069, (Tellus 90-203) September 1991, Gas Procurement Practices and Purchased Gas Costs (January 1986 – November 1990) of Southwest Gas Corporation. December 1991. Rebuttal Testimony in above docket.

Maryland Public Service Commission, 8339, (Tellus 91-79), July 1991, cost allocation and rate design issues in rate case application of Baltimore Gas and Electric Company.

Public Utilities Commission of Rhode Island, 1727, (Tellus 90-135), June 1991, review of gas procurement practices of Bristol and Warren Gas Company. Sept. 1991, (Tellus 91-165), Supplemental Direct Testimony in above docket.

New Mexico Public Service Commission, 2367, (Tellus 91-030), June 1991, analysis of gas transportation policies proposed by Gas Company of New Mexico.

Pennsylvania Office of Consumer Advocate, R-911889, (Tellus 91-025), March 1991, review of gas supply strategy and purchasing practices of T.W. Phillips.

Michigan Public Service Commission, U-9752, (Tellus 90-099), March 1991, review of 1991 Gas Cost Recovery Plan submitted by Michigan Gas Company to Michigan PSC.

Arkansas Public Service Commission, 90-036-U, (Tellus 90-041), August 1990, reasonableness of certain gas supply contracts, of Arkla, Inc. and its various subsidiary companies including the Arkla-Arkoma transactions. September 1990. Prepared Rebuttal Testimony.

Arizona Corporation Commission, U-1240-90-051, (Tellus 90-059), August 1990, application of Southern Union Gas Company for a change in tariffs.

Public Utility Commission of Utah, 89-057-15, (Tellus 89-242), July 1990, Cost Allocation and Rate Design, Mountain Fuel Supply. August 1990 Rebuttal and Sur-rebuttal Testimony.

Pennsylvania Public Utility Commission, R-901595, (Tellus 90-043), June 1990, application of Equitable Gas Company for changes to its tariffs.

West Virginia Public Service Commission, 90-196-E-GI, 90-197-E-GI, (Tellus 90-025), May 1990, expanded Net Energy Cost, coal supply strategy and contracting practices, APS.

Pennsylvania Public Utility Commission, R-891572, (Tellus 90-08B), March 1990, Purchased Gas Costs and Gas Procurement, T.W. Phillips Gas and Oil Co.

Public Utilities Commission of Colorado, 89R-702G, (Tellus 89-30A), January 1990, policies and rules for gas transportation service offered by public utilities regulated by the Commission. January 1990, (Tellus 89-30B), Supplemental Testimony

Arizona Corporation Commission, U-1551-89-102 and U-1551-89-103, (ESRG 89-01), October 1989, Regulatory Oversight of Purchased Gas Costs.

Public Utilities Commission of Rhode Island, 1938, (ESRG 89-139), October 1989, Sales Forecast, Cost Allocation, Rate Design, Narragansett Electric Company.

Pennsylvania Public Utility Commission, R891293, (ESRG 89-92), July 1989, Purchased Gas Costs & Gas Procurement, Pennsylvania Gas and Water. July 1989 Rebuttal Testimony.

Pennsylvania Public Utility Commission, R891236, (ESRG 89-48), May 1989, Take-or-Pay Cost Recovery, Columbia Gas of Pennsylvania.

New Jersey Board of Public Utilities, GR 88070-877, (ESRG 88-150A), February 1989, Take-or-Pay Cost Recovery, Public Service Electric and Gas.

New Jersey Board of Public Utilities, GR 88080-913-Phase II (ESRG 88-150C), February 1989, Take-or-Pay Cost Recovery, South Jersey Gas Company.

New Jersey Board of Public Utilities, GR 88081-019-Phase II (ESRG 88-150D), February 1989, Take-or-Pay Cost Recovery, Elizabethtown Gas Company.

New Jersey Board of Public Utilities, 88080913, (ESRG 88-102), December 1988, Take-or-Pay Cost Recovery, Elizabethtown Gas Company.

Montana Public Service Commission, 87.7.33, 88.2.4, 88.5.10, 88.8.23, (ESRG 88-117), December 1988, Gas Procurement, Transportation Service, Gas Adjustment Clause, Montana-Dakota Utilities Company.

New Jersey Board of Public Utilities, GR 88081-019, (ESRG 88-103), November 1988, Take-or-Pay Cost Recovery, South Jersey Gas Company.

New Jersey Board of Public Utilities, GR 88070-877 (ESRG 88-89), October 1988, Take-or-Pay Cost Recovery, Public Service Electric and Gas.

Public Service Commission of District of Columbia, Formal Case 874, (ESRG88-58), September 1988, Gas Acquisition, Gas Cost Allocation, Take-or-Pay Cost, Regulatory Oversight; District of Columbia Natural Gas.

Illinois Commerce Commission, 88-0103, (ESRG 88-68), July 1988, Take-or-Pay Cost Recovery.

Public Service Commission of West Virginia, 240-G, (ESRG 88-42), June 1988, Gas Transportation Rate Design.

Pennsylvania Public Utility Commission, R-880958, (ESRG 88-29), June 1988, Purchased Gas Adjustment, Pennsylvania Gas & Water Company.

Public Service Commission of Utah, 86-057-07, (ESRG 87-111), March 1988, Gas Transportation Rate Design; Mountain Fuel Supply.

South Carolina Public Service Commission, 83-126-G, 86-217-G, (ESRG 87-106), January 1988, Gas Supply and Rate Design, Piedmont Gas Company.

South Carolina Public Service Commission, 87-227-G, (ESRG 87-64), September 1987, Gas Supply and Rate Design, South Carolina Electric and Gas.

Arizona Corporation Commission, U-1345-87-069, (ESRG 87-48), September 1987, Fuel Adjustment Clause.