

**LIST OF TESTIMONY AND OTHER PUBLICATIONS  
FOR CRAIG R. ROACH, Ph.D.**

---

**TESTIMONY**

Phase Two Report of the Independent Evaluator concerning proposed alternatives to Mississippi Power Company's IGCC facility, Docket No. 2009-UA-014 [January 2010]. Filed as Consultant to the Mississippi Public Service Commissioners.

Phase Two Direct Testimony concerning Mississippi Power Company's proposed IGCC facility, Docket No. 2009-UA-014 [December 2009]. Filed as Consultant to the Mississippi Public Service Commissioners.

Phase One Direct Testimony concerning Mississippi Power Company's petition for acquisition, construction, and operation of an Integrated Gasification Combined Cycle (IGCC) facility, Docket No. 2009-UA-014 [July 2009]. Filed as Consultant to the Mississippi Public Service Commissioners.

Responsive Testimony concerning the cost recovery and approval of a power purchase agreement between PSO and Exelon Generation, LLC, Oklahoma Corporation Commission Cause No. PUD 200900099 [July 2009]. Filed as the Oklahoma Commission's Independent Evaluator.

Direct and Rebuttal Testimony concerning a service agreement between TransCanada Energy Ltd. and British Columbia Transmission Corporation for long term firm point-to-point transmission service. British Columbia Utilities Commission Project No. 3698539 [March and April 2009]. For TransCanada Energy Ltd.

Report responding to the Commission's inquiries on emissions costs, construction costs, and fuel costs, Minnesota Public Utility Commission Docket No. CN-05-619 [October 2008]. For the Minnesota Commission.

Testimony and Rebuttal Testimony concerning the design of the 2008 RFP, Oklahoma Corporation Commission Cause No. PUD 200700418 [June and August 2008]. Filed as the Oklahoma Commission's Independent Evaluator.

Comments concerning PacifiCorp's proposed acquisition of the Chehalis power plant, Oregon Public Utility Commission Docket No. UM 1374 [June 2008]. Filed as the Oregon Independent Evaluator.

Reply comments concerning the 2008 Procurement Process, before the Illinois Commerce Commission [May 2008]. Filed as the Procurement Monitor.

Comments concerning the 2008 Procurement Process, before the Illinois Commerce Commission [May 2008]. Filed as the Procurement Monitor.

Direct Testimony concerning the proposed acquisition of TXU by private equity investors, Public Utility Commission of Texas Docket No. 34077 [September 2007]. For the Texas Commission.

Comments concerning PacifiCorp's proposal to amend and delay its 2012 RFP, Oregon Public Utility Commission Docket No. UM 1208. [November 2007]. Filed as the Oregon Independent Evaluator.

Affidavit concerning allegations of above-market prices and price manipulation in the 2006 Illinois Auction, Federal Energy Regulatory Commission Docket No. EL07-47-000. [June 2007]. Filed as the Auction Monitor.

Support for settlement of an electric transmission rate case, Federal Energy Regulatory Commission Docket No. ER06-186-000. [March and April 2006]. For the City of Vernon.

Testimony concerning market power mitigation measures for the Southwest Power Pool energy imbalance services market, Federal Energy Regulatory Commission Docket No. ER06-451-000. [January 2006]. Filed as the Southwest Power Pool's Independent Market Monitor.

Comments on the Maryland procurement process for Standard Offer Service, Maryland Senate Special Commission on Electric Utility Deregulation Implementation. [August 2005]. Appearing as the Technical Consultant for the Maryland Public Service Commission.

Direct and Supplemental Testimony concerning market power mitigation measures for the Southwest Power Pool energy imbalance services market, Federal Energy Regulatory Commission Docket No. ER05-1118-000. [June and August 2005]. Filed as the Southwest Power Pool's Independent Market Monitor.

Comments on the open access status of a transmission line, Federal Energy Regulatory Commission Docket No. ER05-1072-000. [June 2005]. Filed as the Southwest Power Pool's Independent Market Monitor.

Direct Testimony regarding the benefit of continuing PUCT Capacity Auctions in Texas, Public Utility Commission of Texas, Docket No. 30882. [May 2005]. For Reliant Energy, Inc.

Expert Report regarding the basis for and quantification of damages, 249<sup>th</sup> Judicial District Court (Texas) Cause No. C-2002-00267. [March 2005]. For Ponderosa Pine Energy, L.L.C.

Panelist on transmission market power and barriers to entry, Federal Energy Regulatory Commission Technical Conference Docket No. RM04-7-000, Washington, DC. [December 2004].

Expert Report concerning damage estimates regarding power sales contract, American Arbitration Association Case No. 71 198 00323 01. [October 2004]. For Ponderosa Pine Energy Partners, LTD.

Panelist on solicitation processes for public utilities, Federal Energy Regulatory Commission Technical Conference Docket No. PL04-6-000, Washington, DC. [June 2004].

Affidavit and Supplemental Affidavit concerning the competitive effects of the proposed acquisition of Illinois Power by Ameren Corp., Federal Energy Regulatory Commission Docket No. EC04-81-000, Washington, DC. [May and June 2004]. For Aquila Merchant Services, Inc.

Direct Testimony on FirstEnergy's proposed Rate Stabilization Plan, Public Utilities Commission of Ohio Case No. 03-2144 EL-ATA, EL-AAM, EL-UNC. [February 2004]. For Reliant Resources, Inc. and Constellation Power Source.

Panelist on market power mitigation and measurement, Federal Energy Regulatory Commission Technical Conference on Supply Margin Assessment Screen and Alternatives Docket No. PL02-8-000, Washington, DC. [January 2004].

Direct and Answering Testimony concerning approval of affiliate power purchases by Entergy under the *Edgar* standard using a competitive solicitation test. Federal Energy Regulatory Commission Docket No. ER03-583-000. [November 2003 and April 2004]. For Calpine Corporation.

Direct and Answering Testimony and Cross-Answering Testimony concerning approval of an affiliate acquisition by AmerenUE under the *Edgar* standard using a competitive solicitation and benchmark data. Federal Energy Regulatory Commission Docket No. EC03-53-000. [August and September 2003]. For the Electric Power Supply Association.

Affidavit concerning the application of the *Mobile-Sierra* doctrine to a Standard Offer Wholesale Sales Agreement for a supplier in bankruptcy. United States District Court (District of Columbia) Case No. 03-1189. [July 2003]. For NRG Power Marketing Inc.

Direct Testimony concerning Entergy's proposed Agreement in Principle including certain affiliate power sales, New Orleans City Council Docket Nos. UD-01-04 and UD-03-01. [April 2003] For Reverend C.S. Gordon, Jr., et al.

Expert Report concerning correct interpretation of power sales contract standards, American Arbitration Association Case No. 71 198 00323 01. [April 2003] For Tenaska IV Texas Partners, LTD.

Expert Report concerning the correct discount rate to be used in determining an award, American Arbitration Association Case No. 00 199 00199 02. [March 2003]. For TM Delmarva Power L.L.C.

Affidavit concerning market-based rate authority using the Supply Margin Assessment (SMA), Federal Energy Regulatory Commission Docket No. ER03-618-000. [March 2003]. For Reliant Energy Choctaw, LLC.

Expert Report concerning opportunities for reverse tolling transactions with Entergy, utility dispatch rules, and antitrust damages, Louisiana State Court Suit No. 467,116; Div. "N". [January 2003]. For Energy Transfer Group.

Affidavit concerning market-based rate authority using the Supply Margin Assessment (SMA), Federal Energy Regulatory Commission Docket No. ER03-382-000. [January 2003]. For Reliant Energy Solutions, LLC.

Direct and Rebuttal Testimony concerning Track B issues including types of competitive solicitation, products to be procured, and affiliate codes of conduct, Arizona Corporation Commission Docket No. E-00000A-02-0051, et al. [November 2002]. For Panda Gila River, L.P.

Panelist concerning the Resource Adequacy Requirement within the Standard Market Design, Federal Energy Regulatory Commission Technical Conference Docket No. RM01-12-000, Washington, DC. [November 2002].

Affidavit concerning market-based rate authority using the Supply Margin Assessment (SMA), Federal Energy Regulatory Commission Docket No. ER03-81-000. [October 2002]. For Reliant Energy Solutions West, LLC.

Affidavit concerning the method for determining natural gas prices for purposes of calculating refunds in California, Federal Energy Regulatory Commission Docket Nos. EL00-95-045, et al. [October 2002]. For Reliant Energy Power Generation, Inc.

Direct and Surrebuttal Testimony concerning affiliate asset transaction and competitive procurement, Wisconsin Public Service Commission Docket No. 05-CE-117. [August and September 2002]. For Midwest Independent Power Suppliers.

Direct and Responsive Testimony concerning affiliate asset transfer and competitive procurement, Indiana Utility Regulatory Commission Cause No. 42145. [July and October 2002]. For Midwest Independent Power Suppliers.

Direct and Rebuttal Testimony concerning Track A issues including asset transfer, market power, and codes of conduct, Arizona Corporation Commission Docket No. E-00000A-02-0051, et al. [May and June 2002]. For Panda Gila River, L.P.

Affidavit concerning the triennial update for market-based rate authority using the Supply Margin Assessment (SMA), Federal Energy Regulatory Commission Docket No. ER01-3103-002. [June 2002]. For Reliant Resources, Inc.

Affidavit concerning market-based rate authority using the Supply Margin Assessment (SMA), Federal Energy Regulatory Commission Docket No. ER02-1762-000. [May 2002]. For Reliant Energy Solutions East, LLC.

Direct Testimony concerning Arizona Public Service Company's request for approval of variance and affiliate power purchase agreement, Arizona Corporation Commission Docket No. E-00000A-02-0051, et al. [March 2002]. For Panda Gila River, L.P.

Direct Evidence concerning a proposal for transmission congestion management and expansion cost allocation, Alberta Energy and Utilities Board Application No. 1248859. [March 2002]. For TransCanada Energy Ltd.

Direct Evidence concerning competitive procurement and pricing for transmission must-run and other ancillary services, Alberta Energy and Utilities Board Application No. 1244140. [February 2002]. For Ancillary Services Group.

Comments concerning market power mitigation by RTOs, Federal Energy Regulatory Commission Technical Conference on Standard Electricity Market Design Docket No. RM01-12-000, Washington, DC. [February 2002].

Direct Testimony concerning prices and other terms and conditions for imbalance energy from Entergy, Federal Energy Regulatory Commission Docket EL02-46-000. [January 2002]. For Generator Coalition.

Direct Testimony concerning energy market conditions and energy availability in New Orleans, City Council of New Orleans Docket No. UD-00-2. [January 2002]. For Thomas Lowenburg, et al.

Initial and Reply Comments concerning the development of market-based mechanisms to evaluate proposals to construct or acquire generating capacity, Louisiana Public Service Commission Docket No. R-26,172. [December 2001 and January 2002]. For Sempra Energy Resources.

Expert Witness concerning abrogation of power sales agreement by Entergy, State of Alabama Circuit Court for Jefferson County, Civil Action Number CV9925070. [2001]. For Southern Company Services.

Direct Testimony and Supplemental Direct concerning the competitive effects of the proposed merger of Orion Power Holdings, Inc. and Reliant Resources Inc., Federal Energy Regulatory Commission Docket No. EC02-11-000. [October 2001 and January 2002]. For Applicants.

Comments and Request For Intervention concerning a proposed refund condition for market-based rates and methods of measuring market power, Federal Energy Regulatory Commission Docket No. EL01-118-000. [December 2001]. For Boston Pacific Company, Inc.

Comments concerning the role of market monitoring by RTOs, Federal Energy Regulatory Commission Conference on Electricity Market Design and Structure Docket No. RM01-12-000. [October 2001].

Affidavit concerning updated market power analysis in support of Carr Street Generating Station, L.P.'s market-based rate application, Federal Energy Regulatory Commission Docket No. ER98-4095-001. [October 2001]. For Orion Power Holdings, Inc.

Expert Report concerning calculation of damages due to a breach of contract, United States District Court (Eastern Texas) Case No. 1:00CV-283. [August 2001]. For EPCO Carbon Dioxide Products, Inc.

Direct Testimony concerning prudence of Wisconsin Electric Power Company's Power The Future-2 proposal, Public Service Commission of Wisconsin Docket No. 6630-DR-104. [June 2001]. For Midwest Independent Power Suppliers Coordination Group.

Direct Evidence Concerning Hydro Quebec's transmission rate application, Régie de L'Énergie Case R-3401-98. [February 2001]. For Ontario Power Generation, Inc.

Presentation of guiding principles for monitoring market power in markets run by the California ISO, Federal Energy Regulatory Commission Technical Conference Docket Nos. EL00-95-000, et al. [January 2001]. For the Electric Power Supply Association.

Affidavit concerning breach of contract by a utility and the resulting damages through the imposition of a cap on a rate discount known as the LEE Credit, Louisiana Public Service Commission Docket No. U-22801. [August 2000]. For Star Enterprise.

Direct, Supplemental Direct, Surrebuttal, and Rebuttal Testimony concerning the prudence of passing through the fuel adjustment clause certain electricity purchase costs and the costs of some utility-owned generation, New Orleans City Council Docket No. UD-99-2. [April and December 2000; March and August 2001]. For Reverend C.S. Gordon, Jr., et al.

Direct and Rebuttal Testimony concerning the pricing of Reliability Must-Run (RMR) Service to the California ISO, Federal Energy Regulatory Commission Docket Nos. ER98-496-006 and ER98-2160-004. [December 1999 and March 2000]. For Duke Energy Power Services.

Direct, Rebuttal, and Rebuttal to Staff Testimony concerning the prudence of electricity purchase costs passed through the fuel adjustment clause and the underlying, inter-company procurement practices and methods of economic dispatch, Louisiana Public Service Commission Docket No. U-23356. [July and November 1999; July 2000]. For Linda Delaney, et al.

Affidavit concerning the competitive effects of the proposed merger of Sempra Energy and KN Energy, Inc., Federal Energy Regulatory Commission Docket No. EC99-48-000. [May 1999]. For Questar Pipeline Company.

Direct and Oral Rebuttal Testimony concerning the competitive effects of the proposed merger of AEP and CSW, Federal Energy Regulatory Commission Docket Nos. EC98-40-000, ER98-2770-000, and ER98-2786-000. [April 1999]. For The Dayton Power and Light Company.

Direct, Supplemental, and Rebuttal Testimony concerning a rate proposal for the Associated Branch Pilots of the Port of New Orleans, Louisiana Public Service Commission. [October 1998]. For the Associated Branch Pilots.

Direct and Rebuttal Testimony concerning claims for damages by Public Service of Colorado based on alleged improper billings under a power purchase agreement with Tri-State, American Arbitration Association No. 77 Y 181 00230 97. [September and October 1998]. For Tri-State Generation and Transmission Association, Inc.

Testimony concerning a public records request, 19<sup>th</sup> Judicial District Court, Parish of East Baton Rouge, State of Louisiana Suit No. 449,691 Div. "A". [August 1998]. For CII Carbon, L.L.C.

Direct, Cross-Answering, and Surrebuttal Testimony concerning standby rates for self-generators, Louisiana Public Service Commission Docket No. U-20925-SC. [June, July, and August 1998]. For CII Carbon, L.L.C.

Direct and Surrebuttal Testimony concerning reliability, market power, functional unbundling, divestiture, default supplier, balancing and other restructuring issues, New Jersey Board of Public Utilities Docket No. EX94120585Y, et al. [March and April 1998]. For Mid-Atlantic Power Supply Association.

Declaration concerning antitrust issues made by Florida Power in a motion for summary judgment, United States District Court (Miami, Florida) Case No. 96-594-CIV-LENARD. [February 1998]. For Metropolitan Dade County and Montenay Power.

Comments concerning market power, market structure, reliability, and related topics in restructuring, Arkansas Public Service Commission Docket Nos. 97-451-U, 97-452-U, and 97-453-U. [February 1998]. For Arkansas Electric Energy Consumers.

Direct, Rebuttal, and Surrebuttal Testimony concerning a methodology for determining avoided cost prices, Louisiana Public Service Commission Docket No. U-22739. [November and December 1997; January 1998]. For CII Carbon, L.L.C.

Direct Testimony concerning Virginia Power's proposals for stranded cost recovery, Virginia State Corporation Commission Case No. PUE 960296. [December 1997]. For Virginia Independent Power Producers, Inc.

Rebuttal Testimony concerning rules for affiliate transactions in the proposed merger of Pacific Enterprises and Enova Corporation, California Public Utilities Commission No. A.96-10-038. [August 1997]. For Kern River Gas Transmission Company.

Direct Testimony concerning the proposed merger of Pacific Enterprises and Enova Corporation, California Public Utilities Commission No. A.96-10-038. [August 1997]. For Kern River Gas Transmission Company.

Rebuttal Testimony concerning the calculation of damages for the Abrogation of Tenaska's power purchase agreement by BPA, American Arbitration Association No. 77-198-0224-95. [July 1997]. For Tenaska, Inc.

Testimony concerning Ex-Im Bank and OPIC, before the Subcommittee on Tax, Finance, and Exports, Committee on Small Business, U.S. House of Representatives. [May 1997].

Testimony concerning the abrogation of Tenaska's power purchase agreement by BPA, American Arbitration Association No. 77-198-0224-95. [February 1997]. For Tenaska, Inc.

Direct Testimony concerning rolled-in rates on Transco, Federal Energy Regulatory Commission Docket Nos. RP95-197-000 and RP95-197-001 (Phase II). [January 1996]. For KCS Energy Marketing, Inc.

Direct Testimony concerning estimates of avoided costs by Louisiana Power & Light, Louisiana Public Service Commission Docket No. U-21384. [October 1995]. For Calciner Industries, Inc.

Surrebuttal Testimony concerning estimates of avoided costs by Empire District Electric Company, Missouri Public Service Commission Case No. EC-95-28. [June 1995]. For Ahlstrom Development Corporation.

Affidavit concerning Duke's market power study, Federal Energy Regulatory Commission Docket No. ER95-760-000. [April 1995]. For North Carolina Municipal Power Agency Number 1 and Piedmont Municipal Power Agency.

Direct Testimony concerning estimates of avoided costs by Empire District Electric Company, Missouri Public Service Commission Case No. EC-95-28. [January 1995]. For Ahlstrom Development Corporation.

Direct Testimony concerning a proposal for rolled-in rates by Pacific Gas Transmission, Federal Energy Regulatory Commission Docket No. RP94-149-000. [November 1994]. For Alberta Department of Energy.

Direct Testimony concerning proposal for market-based rates under Rate-K, Michigan Public Service Commission Case No. U-10625. [October 1994]. For Michigan Cogeneration Coalition.

Preliminary Written Comments concerning the need for and form of a request for proposals (RFP) by Carolina Power & Light, South Carolina Public Service Commission Docket No. 94-469-E. [August 1994]. For Carolina Competitive Energy Producers.

Initial and Reply Comments concerning guidelines for evaluation of unsolicited private power proposals, North Carolina Utilities Commission Docket No. E-100, Sub 64. [September and October 1993]. For Carolina Competitive Energy Producers.

Direct Testimony concerning Section 712 issues, Florida Public Service Commission Docket No. 921288-EU. [September 1993]. For Florida Competitive Energy Producer's Association.

Oral Testimony concerning Section 712 issues, Maryland Public Service Commission Case No. 8568. [August 1993]. For Mid-Atlantic Independent Power Producers.

Direct Testimony concerning Section 712 issues, Georgia Public Service Commission Docket No. 4384-U. [July 1993]. For Electric Generation Association.

Direct Testimony concerning the proposed merger of Entergy and Gulf States, Federal Energy Regulatory Commission Dockets Nos. EC92-21-000 and ER92-806-000. [March 1993]. For Arkansas Electric Energy Consumers.

Direct Testimony concerning New York curtailment proposals, New York Public Service Commission Case Nos. 92-E-0814 and 88-E-081. [February 1993]. For J. Makowski Associates, Inc.

Direct Testimony concerning Georgia Power Company's Integrated Resource Plan, Georgia Public Service Commission Dockets No. 4131-U and 4134-U. [June 1992]. For Mission Energy Company.

Direct and Rebuttal Testimony concerning Baltimore Gas and Electric's CPCN filing and Cogen Technologies' proposed QF, Maryland Public Service Commission Case No. 8241-Phase II. [August and September 1991]. For Mission Energy Company.

Direct Testimony commenting on Jersey Central Power & Light Company's request for proposals dated August 31, 1990, Docket No. 8010-678B. [December 1990]. For State of New Jersey Department of the Public Advocate [Co-sponsored].

Direct and Rebuttal Testimony concerning the sale/leaseback and restated agreement transaction for Springerville and San Juan power, Federal Energy Regulatory Commission Docket Nos. EL89-17-001 and EL89-18-001. [May and June 1990]. For Century Power Corporation.

Direct and Rebuttal Testimony concerning the proposed merger of Southern California Edison and San Diego Gas and Electric, Federal Energy Regulatory Commission Docket No. EC89-5-000. [November 1989 and January 1990]. For Century Power Corporation.

## **ARTICLES & SPEECHES**

“Building Electric Transmission for Renewable Energy: Two Case Studies on Who Pays.” Presented to the American Bar Association (September 10, 2009).

“Financial Incentives for Utilities to Purchase Resources: The Right Reasons the Right Way.” Presented to the Harvard Electricity Policy Group Fifty-Second Plenary Session (October 3, 2008).

“Market and Auction Monitoring: Requirements, Philosophy, and Tools of the Trade.” Presented to Edison Electric Institute Transmission and Wholesale Markets School (August 13, 2008).

“Boston Pacific’s Comments on NARUC [Competitive Bidding] Study” Submitted to NARUC (October 2008).

“Financial Incentives for Utilities to Purchase Resources: The Right Reasons, The Right Way” Presented to Harvard Electricity Policy Group Fifty-Second Plenary Session, Chicago, Illinois (October 2008).

“Market and Auction Monitoring: Requirements, Philosophy and Tools of the Trade” Presented to EEI Transmission and Wholesale Markets School, Madison, Wisconsin (August 2008).

“Summary of the 2007 State of the Market Report for SPP’s EIS and Transmission Markets” Presented to Federal Energy Regulatory Commission (June 2008).

“Summary of the 2006 State of the Market Report for SPP’s EIS and Transmission Markets” Presented to the Federal Energy Regulatory Commission (May 2007).

“State-of-the-Art Fair Utility Procurement Practices: An Independent Monitor’s Perspective” Presented at the Northwest Independent Power Producers Coalition’s Annual Meeting, Union, WA (September 2005).

“SPP Market Power Monitoring and Mitigation” Presented at the Energy Bar Association’s Midwest Conference, Kansas City, MO (March 2005).

“Balance Sheet Penalties for Purchased Power” Presented at the Electric Power Supply Association’s Fall Membership Meeting, Washington, DC (November 2004).

“Getting the Best Deal for Consumers: An Independent Monitor’s View” Presented at the Energy Bar Association’s Mid-Year Meeting, Washington, DC (November 2004).

“Getting the Best Deal for Illinois Electric Customers” Presented at the Post 2006 Symposium, Chicago, IL (April 2004).

“A Framework for Enhancing Reliability Through Consumer-Focused, Profitable Innovation” Presented at the National Electrical Manufacturers Association’s 2004 Spring Conference, Charleston, SC (April 2004).

“Solicitations for Longer-Term Power Purchases” Presented at the Electric Power Supply Association’s Fall Membership Meeting, Washington, DC (October 2003).

“Standards for Longer-Term Power Markets” Co-Presented at the North American Energy Standards Board’s Annual Meeting, Austin, TX (September 2003).

- “The Case for Competition in the U.S. Electricity Business,” The Electricity Journal Vol. 16 Issue 6 (2003), pp. 18-26.
- “The Right Perspective and Right Tools for Risk Assessment” Presented at CBI’s Annual Conference on Private Power in Central America, Miami, Florida (June 2003).
- “Standard Market Design (SMD): Helping Electricity Markets Work” Presented as a Briefing for Congressional Staff, Washington, DC (November 2002).
- “Making Markets Work Under SMD” Presented at the Electric Power Supply Association’s Fall Membership Meeting, Washington, DC (October 2002).
- “How Much Scrutiny is Too Much? How Much Control Can a Market Bear?” Presented at Walking the Beat: FERC as Market Monitor, A Platts Conference, Washington, DC (October 2002).
- “Measuring Market Power in the U.S. Electricity Business,” Energy Law Journal 23, No.1 (2002), pp. 51-62.
- “Market Monitoring and Market Power” Presented to the Energy Bar Association, Washington, DC (November 2001).
- “Choosing a Market Power Standard for Market-Based Rates” Presented at the Electric Power Supply Association’s State Issues & Summer Membership Meeting, Washington, DC (July 2001).
- “Energy Experts Debate Capping Electricity Prices in California,” The NewsHour with Jim Lehrer (May 2001).
- “Price Caps: An Apparent Short-Term Solution That Creates Long-Term Problems” Presented at Energy and Power Risk Management’s Annual Conference, Houston, Texas (May 2001).
- “Assuring Restructured Markets are Effectively Competitive” Presented to National Governors’ Association, Philadelphia, Pennsylvania (April 2001).
- “Who Lost California?” Presented to Gulf Coast Power Association, Houston, Texas (March 2001).
- “What Lessons Can New England Learn From California’s Wholesale Power Markets” Presented at Northeast Energy and Commerce Association’s Annual Meeting, Boston, Massachusetts (December 2000).
- “Auction Debate: Last Price v. Pay-as-bid Auction Methods” Moderator and Speaker for the Electric Power Supply Association Regulatory Affairs Committee Meeting (December 2000).
- “Congestion Management: Setting the Stage for Consensus” Moderator and Speaker for the Electric Power Supply Association Regulatory Affairs Committee Meeting (May 2000).
- “Protecting the Consumer by Promoting Competition” Presented at “Trusting Markets-ISO Experiences” a workshop during the Electric Power Supply Association Fall Membership Meeting (October 1999).
- “Renegotiating Power Purchase Agreements When Establishing Competitive Energy Markets” Presented at “Second Generation Issues in the Reform of Public Services” an international conference sponsored by the Inter-American Development Bank (October 1999).

“Presumptions About Customers That Drive Key Decisions in a Restructured Electricity Business” Presented at the Electric Power Supply Association/Fortune Magazine’s Executive Conference (January 1999).

“How External Factors Drive the Success of Your Investment and Strategic Decisions” Presented at the Electric Power Supply Association’s Risk Management Conference (December 1998).

“Assessing Market Power at the Retail Level” Presented at the Electric Power Supply Association’s Summer Membership Meeting (July 1998).

“The Right Market Power Analysis for Retail Restructuring Proceedings” Presented at the Electric Power Supply Association’s State and Regional Issues Meeting (March 1998).

“Managing Today’s Significant Risks” Presented at “International Power Project Development and Finance” (February 1998).

“Managing Today’s Significant Risks” Presented at the Electric Power Supply Association’s Risk Management Conference (December 1997).

“Managing Risk in a Restructured U.S. Electricity Business” Presented at the Council of Industrial Boiler Owners’ Annual Meeting (October 1997).

“A Risk Assessment Checklist for Power Project Acquisitions” Presented at “Mitigation Risk for International Power Projects” (July 1997).

“A Risk Assessment Checklist for International Power Projects” Presented at “Oil and Gas Companies in Global Power Project Development” (January 1997).

“A Risk Assessment Checklist for International Power Projects” Presented at “Financing Strategies for International IPP Projects” (November 1996).

“Addressing Municipalization and Bypass Concerns in a Restructured Electricity Business” Presented at EEI Municipalization and Bypass Conference (October 1996).

“Performance-Based Ratemaking in an Electricity Business Restructured for Competition” Presented at “Performance-Based Ratemaking for Electric & Gas Utilities” (October 1996).

“A Risk Assessment Checklist for International Power Projects” Presented at “Neutralizing Risk for International Power Projects” (September 1996).

“The Right Competitive Strategy For A Restructured U.S. Electricity Business” Presented at “POWER-GEN Americas ‘95” (December 1995).

“Practical Lessons Learned from Past Project Failures” Presented at “Risk Mitigation for International Power Projects” (November 1995).

“The Due Diligence Process: New Views for the Lender and Investor” Presented at “Project Finance Tutorial” (November 1995).

“State Regulatory Trends” Presented at “Electric Industry Restructuring: Understanding the Implications for the Natural Gas Industry” (October 1995).

“Summary of State of Competition Opinion Survey” Presented at NARUC Summer 1995 Committee Meeting (July 1995).

“Spin-Off Services of Retail Competition” Presented at “Giving Customers More Options: The Key to Success in the New Power Market” (May 1995).

“The Latin American Power Market” Presented at “New Opportunities in the Evolving World Power Market” (November 1994).

“Transmission Access and Pricing: Evolving Commercial and Regulatory Approaches” Presented at “Competitive Power Congress ‘94” (June 1994).

“Section 712: A Surprise Ending” Independent Energy (May/June 1994), pp. 55-59.

“Non-Traditional Competition For Industrial Loads” Presented to Oglethorpe Power (April 1994).

“Section 712: Southeast Roundup” Presented at “The Southeast Power Market in a New Age of Competition” Southeast Power Report and Independent Power Report (December 1993).

“The Emerging Latin American Power Market” Presented at “International Power Market” (December 1993).

“Structural Change in the Electricity Business” Presented at “Annual Fall Policy Roundtable” Council on Alternative Fuels (November 1993).

“Power Project Siting and Community Relations: Six Elements of a Win-Win Strategy” (Coauthored) Cogeneration & Resource Recovery (July/August 1993).

“How to Gain a Competitive Advantage in the Electricity Business” Presented at “Bidding For Power” The Institute For International Research (March 1993).

“The Energy Policy Act of 1992: Its Effect on Market Opportunities in the Short- and Long-Run” Presented at “Market Opportunities for Utilities in the Energy Policy Act of 1992” Power Engineering and EL&P (February 1993).

“Natural Gas v. Coal: Comparisons of Cost, Risk, and Environmental Performance” Institute of Public Utilities (December 1992).

“How to Gain a Competitive Advantage in the Electricity Business” Presented at “Competitive Bidding for Power Contracts” Infocast (May and October 1991; March 1993).

“Designing a Bidding System to Get the Best Deal for Ratepayers” Presented at “Competitive Bidding for Power Contracts” Infocast (May 1991).

“Accommodating Renewables in Utility Bidding Systems: Toward a Level Playing Field” Institute of Public Utilities (December 1991).

“The Successful Independent Power Producer” Presented at “Alternate Energy ‘90” Council on Alternate Fuels (April 1990).

“Alternative Approaches to Transmission Access” Institute of Public Utilities (1988).

“The Coming Boom in Computer Loads” (Coauthored) Public Utilities Fortnightly (December 1986), pp. 30-34.

## **BOOKS**

“Policy Models and Policymakers: The Case of Industrial Energy Use.” In Coal Models and Their Use in Government Planning, pp. 23-36. Edited by James Quirk, Katsuaki Terasawa, and David Whipple. New York: Praeger Publishers, 1982.

“Coal Substitution.” In Energy-Policy Analysis and Congressional Action, pp. 97-113. Edited by Raymond C. Scheppach and Everett M. Ehrlich. Lexington, MA: D.C. Heath and Company, 1982.

#### **CONSULTING REPORTS (PUBLIC ONLY)**

Report of the Commission’s Consultant Regarding FirstEnergy’s 2009 Standard Service Offer Auction. For the Public Utilities Commission of Ohio. Washington, DC, [2009].

The Oregon Independent Evaluator’s Final Closing Report on PacifiCorp’s 2008R-1 Renewables RFP. For the Oregon Public Utility Commission. Washington, DC, [2009].

The Oregon Independent Evaluator’s Assessment of PacifiCorp’s 2008R-1 Renewables RFP Design. For the Oregon Public Utility Commission. Washington, DC, [2008].

An Analysis of PacifiCorp’s Waiver Request for the Chehalis Power Generating Plant. For the Oregon Public Utility Commission. Washington, DC, [2008].

The Oregon Independent Evaluator’s Assessment of PacifiCorp’s 2012 RFP Design, Part One: Evaluation Criteria, Methods and Computer Models. For the Public Utility Commission of Oregon. Washington, DC, [2007].

Annual Final Report on the 2009 BGS FP and CIEP Auctions. For the New Jersey Board of Public Utilities. Washington, DC, [2009].

Annual Final Report on the 2008 BGS FP and CIEP Auctions. For the New Jersey Board of Public Utilities. Washington, DC, [2008].

Final Report on the 2007 BGS FP and CIEP Auctions and the RECO SWAP RFP. For the New Jersey Board of Public Utilities. Washington, DC, [2007].

April 2007: Monthly Metrics Report. For the Southwest Power Pool (SPP) Energy Imbalance Services (EIS) Market. Washington, DC, [2007].

March 2007: Monthly Metrics Report. For the Southwest Power Pool (SPP) Energy Imbalance Services (EIS) Market. Washington, DC, [2007].

February 2007: Monthly Metrics Report. For the Southwest Power Pool (SPP) Energy Imbalance Services (EIS) Market. Washington, DC, [2007].

Final Report of the Technical Consultant on Delmarva’s 2008-09 Request for Proposals for Full Requirements Wholesale Supply to Delaware’s Standard Offer Service Customers. For the Delaware Public Service Commission. Washington, DC, [2009].

Final Report of the Technical Consultant on Delmarva’s 2007-08 Request for Proposals for Full Requirements Wholesale Supply to Delaware’s Standard Offer Service Customers. For the Delaware Public Service Commission. Washington, DC, [2008].

Final Report of the Technical Consultant on Delmarva’s 2006-07 Request for Proposals for Full Requirements Wholesale Supply to Delaware’s Standard Offer Service Customers. For the Delaware Public Service Commission. Washington, DC, [2007].

2008 State of the Market Report, Southwest Power Pool, Inc. For the Southwest Power Pool Board of Directors. Washington, DC, [2009].

2007 State of the Market Report, Southwest Power Pool, Inc. For the Southwest Power Pool Board of Directors. Washington, DC, [2008].

2006 State of the Market Report, Southwest Power Pool, Inc. For the Southwest Power Pool Board of Directors. Washington, DC, [2007].

2005 State of the Market Report, Southwest Power Pool, Inc. For the Southwest Power Pool Board of Directors. Washington, DC, [2006].

2004 State of the Market Report, Southwest Power Pool, Inc. For the Southwest Power Pool Board of Directors. Washington, DC, [2005].

Getting the Best Deal for Electric Utility Customers: A Concise Guidebook for the Design, Implementation, and Monitoring of Competitive Power Supply Solicitations in the Electricity Business. For the Electric Power Supply Association. Washington, DC, [2003]. (Pre-publication Draft).

Still Waters Run Deep. For the Electric Power Supply Association. Washington, DC, [2002].

Assessing the “Good Old Days” of Cost-Plus Regulation. For the Electric Power Supply Association. Washington, DC, [2001].

An Initial Analysis of Recent Wholesale Prices, Price Caps and Their Effect on Competitive Bulk Power Markets. For the Electric Power Supply Association. Washington, DC, [2000].

RTOs Must Manage Transmission, Not Power Markets. Facilitated by Boston Pacific for the Electric Power Supply Association. Washington, DC, [2000].

Competing For Global Power Projects: A White Paper on the Role of the Export-Import Bank of the United States and the Overseas Private Investment Corporation in the Global Electric Power Business. For the International Energy Development Council. Washington, DC, [1997].

Stating Their Differences: A Report on State Legislators’ Views Concerning Electric Industry Restructuring. Washington, DC: Electric Generation Association, [1996].

The State of Competition: A Survey of State Commissions on Competition in the Electricity Business. Washington, DC: Electric Generation Association, [1995].

What Contribution Can Environmental Valuation Make to the Cost Competitiveness of Renewables in Current Bidding Systems for the Electricity Business? A Sourcebook for State Regulatory Commissions. For the Global Change Division, U.S. Environmental Protection Agency, [June 1991].

Electric Resources and Environmental Impacts. For the California Legislature’s Joint Committee on Energy Regulation and the Environment. Sacramento, CA, [1990].

An Analysis of the Transmission Access and Pricing Policies of State Governments. Washington, DC: Boston Pacific Company, Inc., [1989].

Office Productivity Tools for the Information Economy: Possible Effects on Electricity Consumption. Palo Alto, CA: Electric Power Research Institute, [October 1988].

Competitive Procurement of Generating Capacity: Summary of Procedures in Selected States. For Office of Technology Assessment, U.S. Congress. Washington, DC: Boston Pacific Company, Inc., [1988].

Competitive Bidding in the Electricity Business: An Analysis of State Bidding Programs for QFs. Washington, DC: Boston Pacific Company, Inc., [1987].

Key Demographic Events for a Long-Term Forecast of Economic and Market Conditions. Palo Alto, CA: Electric Power Research Institute, [Working Paper 1985].

Transition to an Information Economy: Implications for the Electric Utility Industry. Palo Alto, CA: Electric Power Research Institute, [Working Paper 1984].

Coal Use by Industry: Forecasts and Analysis. Washington, DC: ICF Incorporated, [1982].

Prospects for Synthetic Fuels: Selected Topics. Washington, DC: ICF Incorporated, [1981].

A Policy Paper on the Environmental Consequences of the Emerging Synfuels Industry. Washington, DC: ICF Incorporated, [1980].

Methanol from Coal: Prospects and Performance as a Fuel and as a Feedstock. Washington, DC: ICF Incorporated, [1980].

A Report to the President's Commission on Coal: Possible Findings and Policy Recommendations for Hastening the Substitution of Coal for Imported Oil. Washington, DC: ICF Incorporated, [1979].

## **CONGRESSIONAL REPORTS**

A Strategy for Oil Proliferation: Expediting Petroleum Exploration and Production in Non-OPEC Developing Countries. Washington, DC: The Congressional Budget Office, [1979].

Replacing Oil and Natural Gas with Coal: Prospects in the Manufacturing Industries. Washington, DC: The Congressional Budget Office, [1978].

President Carter's Energy Proposals: A Perspective (coauthored). Washington DC: The Congressional Budget Office, [1977].

Financing Waterway Development: The User Charge Debate. Washington, DC: The Congressional Budget Office, [1977].

Alton Locks and Dam: A Review of the Evidence. Washington, DC: The Congressional Budget Office, [1976].

## **DISSERTATION**

Coal Use by Industry and the Associated Air Pollution Emissions in the Period From 1980 to 2000 Under Alternative Market and Regulatory Conditions. Madison, WI: University of Wisconsin.