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SUMMARY

Charles J. Cicchetti, Ph.D. is a Managing Director at Berkeley Research Group (BRG). He was a founding member of Pacific Economics Group, Inc., and has been a senior advisor to a major specialized expert services firm and an accounting firm. He has frequently appeared as an expert witness in financial matters, contract disputes, damage analysis, antitrust, patents, and regulatory matters. He has testified more than 250 times before state, provincial, and federal regulatory commissions in the United States and Canada; approximately 50 times in civil, criminal, and arbitration proceedings; and more than 20 times before legislative and federal agency committees.

Dr. Cicchetti has written more than 20 books and more than 80 professional articles, and given more than 100 speeches over his 40-plus-year career. He started and managed three small businesses. He has taught finance courses at the graduate and undergraduate levels, most recently at the University of Southern California. He has advised governments in developing nations with respect to developing power industry, including various ownership methodologies including Build Own Transfer, Build Own Operate and Transfer, and various sales and lease-back arrangements.

EDUCATION

Ph.D., Economics	Rutgers University, 1969
B.A.	Colorado College, 1965
	US Air Force Academy, 1961 to 1964

PRESENT EMPLOYMENT

Managing Director and Member, Berkeley Research Group (BRG) 2017
Adjunct Instructor, Department of Electrical Engineering, USC Viterbi School of Engineering 2016 to present

PREVIOUS ACADEMIC POSITIONS

1991-2008 Adjunct Professor, University of Southern California

1998-2006	Jeffrey J. Miller Professor in Government, Business, and the Economy, University of Southern California
1987-1990	Deputy Director, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University
1979-1986	Tenured Professor of Economics and Environmental Studies, University of Wisconsin-Madison
1974-1979	Associate Professor, Economics and Environmental Studies, University of Wisconsin-Madison
1972-1974	Visiting Associate Professor, Economics and Environmental Studies, University of Wisconsin-Madison
1972	Associate Lecturer, School of Natural Resources of the University of Michigan
1969-1972	Post-Doctoral Research Resources for the Future, Washington, D.C.
1968-1969	Instructor, Rutgers University

PROFESSIONAL AWARDS, RECOGNITION, AND PRIZES

1965 Leo Mohl Award for Best Senior Thesis in Economics, Colorado College

1965 Kaye Prize for Outstanding Student in Economics, Colorado College

EXTERNAL GRANTS

1966 to 1969 US Department of the Interior (DOI), Bureau of Outdoor Recreation, financed PhD Thesis.

1972 to 1975 Environmental Defense Fund (EDF)

1972 to 1975 National Science Foundation and Upper Great Lakes Regional Commission

1973 to 1974 Ford Foundation Energy Policy Project and Public Interest Economic Foundation

1975 to 1977 National Science Foundation and Planning and Conservation Foundation

PROFESSIONAL AFFILIATIONS

PRIOR EDITORIAL BOARDS

Journal of Environmental Economics and Management, Former Member;

Energy Systems and Policy, Former Member

Land Economics, Former Editor

BUSINESS AND NOT-FOR-PROFIT AFFILIATIONS

2013-2017 Co-Founder and Board Member, Sally's Rescue Inc., dog rescue 501 3(c) Foundation

1996-2016	Co-Founder, Pacific Economics Group, a California LLC
2008-2016	Senior Advisor to Navigant Consulting, Inc.
1992-1996	Managing Director, Arthur Andersen Economic Consulting
1991-1992	Co-Chairman, Putnam, Hayes & Bartlett, Inc.
1988-1991	Managing Director, Putnam, Hayes & Bartlett, Inc.
1984-1987	Senior Vice President, National Economic Research Associates
1980-1984	Co-Founder and Partner, Madison Consulting Group
1977-1979	Chairman, Public Service Commission of Wisconsin, Appointed by Governor Patrick J. Lucey (member until 1980)
1975-1976	Director, Wisconsin Energy Office and Special Energy Counselor for Governor Patrick J. Lucey, State of Wisconsin

PUBLICATIONS

BOOKS AND MONOGRAPHS

Climate Change and Regulation: Going Green II. Vienna, Virginia: Public Utilities Report, Inc. 2019.

Amicus Curiae Brief of Charles J. Cicchetti (sole author) before the Supreme Court of the United States related to including Demand Side Bidding in wholesale electricity markets on behalf of Petitioners in *Federal Energy Regulatory Commission v. Elec. Power Supply Association*, 135 S. Ct. 2049 (2015).

Why EPA’s Mercury and Air Toxics Rule is Good for the Economy and America’s Workforce, July 2011.

The Results in Context: A Peer Review of EEI’s “Potential Impacts of Environmental Regulation in the U.S. Generation Fleet,” with Susan Tierney, PhD, May 11, 2011.

Expensive Neighbors: The Hidden Cost of Harmful Pollution to Downwind Employers and Businesses, prepared for Exelon in response to EPA’s proposed Transport Rule under the Clean Air Act, January 2011.

The True Cost of Harmful Pollution to Downwind Families and Business, prepared for Exelon in response to EPA’s proposed Transport Rule under the Clean Air Act, November 2010.

Economic Regulation and the Development of Integrated Energy Systems, with Mike Cleland & Sean Conway, *ICES Literary Series*, Vol. 1, September 2012.

Going Green and Getting Regulation Right: A Primer for Energy Efficiency. Vienna, Virginia: Public Utilities Report, Inc. 2009.

Natural Gas: The Other California Energy Crisis, Pacific Economics Group Working Paper, with Colin M. Long, February 2007.

- The California Electricity Crisis: What, Why, and What's Next*, with Jeffrey A. Dubin & Colin M. Long, 2004.
- A Tarnished Golden State: Why California Needs a Public/Private Partnership for its Electric Supply System*, with Colin M. Long, August 2003.
- Restructuring Electricity Markets: A World Perspective Post-California and Enron*, with Colin M. Long & Kristina M. Sepetys, 2003.
- Energy Deregulation: The Benefits of Competition Were Undermined by Structural Flaws in the Market, Unsuccessful Oversight, and Uncontrollable Competitive Forces*, 2001.
- Restructuring Electricity Markets: A World Perspective*, with Kristina M. Sepetys, 1996.
- The Economic Consequence of Independent Film Making*, with W.B. Peale, Stefan Boedeker, Jeffrey Dubin & Jeff Truitt, 1995.
- The Application of U.S. Regulatory Techniques to Spain's Electric Power Industry, Energy and Environmental Policy Center, Harvard University*, with Irwin M. Stelzer, March 1988.
- The Economic Theory of Enhanced Natural Gas Service to the Industrial Sector: An Applied Approach*, Vol. II, with L.D. Kirsch, 1982 (prepared for the Gas Research Institute, Contract No. 5080-380-0349)
- The Economic Theory of Enhanced Natural Gas Service to the Industrial Sector: An Applied Approach*, Vol. I, with L.D. Kirsch, 1981 (prepared for the Gas Research Institute, Contract No. 5080-380-0349).
- The Economic Effects of Deregulating Natural Gas*, with R.H. Haveman, M. Lowry, M. Post & R. Schmidt, for the Northeast Coalition for Energy Equity, 1981.
- The Marginal Cost and Pricing of Electricity: An Applied Approach*, with W. Gillen & P. Smolensky, Cambridge: Ballinger Publishing Company, 1977.
- The Costs of Congestion: An Econometric Analysis of Wilderness Recreation*, with V.K. Smith, Cambridge: Ballinger Publishing Company, 1976.
- Energy System Forecasting, Planning and Pricing*, ed. with W. Foell for the National Science Foundation, Madison: University of Wisconsin Monograph, 1975.
- Studies in Electric Utility Regulation*, ed. with J. Jurewitz for the Ford Foundation Energy Policy Project, Cambridge: Ballinger Publishing Company, 1975.
- Perspective on Power: A Study of the Regulation and Pricing of Electric Power*, with E. Berlin & W. Gillen for the Ford Foundation Energy Policy Project, Cambridge: Ballinger Publishing Company, 1974.
- A Primer for Environmental Preservation: The Economics of Wild Rivers and Other Natural Wonders*, New York: MSS Modular Publication, 1973.
- Forecasting Recreation in the United States: An Economic Review of Methods and Applications to Plan for the Required Environmental Resources*, Lexington: Lexington Books, June 1973.
- Alaskan Oil: Alternative Routes and Markets*, for Resources for the Future, Baltimore: Johns Hopkins University Press, December 1972.

The Demand and Supply of Outdoor Recreation: An Econometric Analysis, Ph.D. Thesis: Rutgers University, 1969. Also, with J.J. Seneca & P. Davidson, Washington, D.C.: U.S. Department of Interior, Bureau of Outdoor Recreation, Contract No. 7-14-07-4, 1969.

The Impact of Mine Drainage on Recreation (Appendix E, Appalachian Regional Commission, 1969). Consultant to Robert R. Nathan Associates, State of New York: an analysis recreation participation to develop the recreational attributes of Finger Lakes (1969). (Assisted John Carson of RRNA.)

Visitor Industry and Hawaii's Economy: A Benefit Cost Analysis, MATHEMATICA, Inc., Princeton, NJ 1969. Consultant to Mathematica Inc. (Princeton, NJ) assisted William Baumol to estimate an econometric model for the visitor industry in Hawaii to design state tax and tourist policy.

The Demand for Water Oriented Recreation, assisted Paul Davidson and Joseph Seneca of the Wharton School of Finance, RFF Mimeo, 1967.

A Neo Keynesian Equilibrium Analysis For an Open Economy, A.B. Thesis, Colorado College, Colorado, Springs, Colorado, May 1965.

ARTICLES

“Why Regulators Should Replace Electric Utility Rate Base: Challenging Choices,” *Public Utilities Fortnightly*, May 2018.

“Why Are We Still Arguing About NEM: Competitive Markets Will Take Care of Next Burning Issue,” *Public Utilities Fortnightly*, March 2017.

“Residential Demand Charges: A Bad Choice,” *Public Utilities Fortnightly*, December 2016.

“Response to Brown Re: Net Metering,” *Public Utilities Fortnightly*, April 2016.

“Order 745: Challenges Plain Old Electricity Markets,” *Public Utilities Fortnightly*, April 2016.

“The Policy Aspects of Benefit-Cost Analyses for Distributed Solar Generation and Net Metering,” *Electricity Policy, Electricity Daily*, January 2016.

“Solar Battle Lines,” with Jon B. Wellingshof, *Public Utilities Fortnightly*, December 2015.

“Inflated Numbers; Erroneous Conclusions: The Navigant Wind Jobs Report,” American Energy Alliance, The National Center for Public Policy Research, March 2013.

“Technology for the Masses: The Consumer-Centric Smart Grid and Its Challenge for Regulators,” with Philip Mause, *Public Utilities Fortnightly*, October 2011.

- “Duke’s Fifth Fuel,” *Public Utilities Fortnightly*, January 2008.
- “Public Service Commission of Wisconsin, 1977-1980,” *The NRRI Journal of Applied Regulation*, Vol. 4, December 2006.
- “A Brief History of Rate Base: Necessary Foundation of Regulatory Misfit,” with Colin M. Long, *Public Utilities Fortnightly*, July 2006.
- “ISOs and Transcos: What’s at Stake?” with Gary D. Bachman & Colin M. Long, *The Electricity Journal*, December 2000.
- “Politics as Usual: A Roadmap to Backlash, Backtracking and Re-regulation,” with Colin M. Long, *Public Utilities Fortnightly*, October 2000.
- “Transmission Products and Pricing: Hidden Agendas in the ISO/Transco Debate,” with Colin M. Long, *Public Utilities Fortnightly*, June 1999.
- “Mergers and the Convergence of the Electric and Natural Gas Industries,” *Natural Gas*, March 1997.
- “Been There, Done That: Sunk Costs, Access Charges and the Transmission Pricing Debate,” *Energy*, Vol. XXI, No. 4, September 1996.
- “Regulating Competition: Transition or Travesty?” with Kristina M. Sepetys, *The Electricity Journal*, May 1996.
- “California Model Sets the Standard for Other States,” with Kristina M. Sepetys, *World Power Yearbook*, 1996.
- “Measuring the Effects of Natural Resource Damage and Environmental Stigma on Property Value,” *Environmental Law*, September/October 1995.
- “The Route Not Taken: The Decision to Build the Trans-Alaska Pipeline and the Aftermath,” *The American Enterprise*, Vol. 4, No. 5, September/October 1993.
- “A Micro-Econometric Analysis of Risk-Aversion and the Decision to Self-Insure,” with Jeffrey Dubin, *Journal of Political Economy*, Revised, July 1993. (Vol. 102, No. 1, February 1994.)
- “Energy Utilities, Conservation, Efficiency,” with Vinayak Bhattacharjee & William Rankin, *Contemporary Policy Issues*, Vol. XI, No. 1, January 1993.
- “Uniqueness, Irreversibility, and the Theory of Nonuse Values,” with Louis L. Wilde, *American Agricultural Economics Association*, December 1992.
- “Utility Energy Services,” with Ellen K. Moran, *Regulatory Incentives for Demand-Side Management*, Ch. 9, American Council for an Energy-Efficient Economy, December 1992.
- “A Micro-Econometric Analysis of Risk Aversion and the Decision to Self-Insure,” with Jeffrey A. Dubin, *California Institute of Technology*, January 1992.
- “The Use and Misuse of Surveys in Economic Analysis: Natural Resource Damage Assessment Under CERCLA,” with Jeffrey Dubin & Louis Wilde, *California Institute of Technology*, July 1991.

- “The Federal Energy Regulatory Commission’s Proposed Policy Statement on Gas Inventory Charges (PL-89-1-1000),” *Energy and Environmental Policy Center*, Harvard University, Discussion Paper E-89-11, July 1989.
- “Incentive Regulation: Some Conceptual and Policy Thoughts,” *Energy and Environmental Policy Center*, Harvard University, Discussion Paper E-89-09, June 1989.
- “Including Unbundled Demand-Side Options in Electricity Utility Bidding Programs,” with William Hogan, *Public Utilities Fortnightly*, June 1989. (Also a Discussion Paper E-88-07).
- “Assessing Natural Resource Damages Under Superfund: The Case Against the Use of Contingent Value Survey Methods,” with Neil Peck, *Natural Resources & Environment*, Vol. 4, No. 1, Spring 1989.
- “Pareto Optimality Through Non-Collusive Bilateral Monopoly with Cost-of-Service Regulation (or: Economic Efficiency in Strange Places),” with Jeff D. Makhholm, *Energy and Environmental Policy Center*, Harvard University, Working Paper, 1988.
- “The FERC’s Discounted Cash Flow: A Compromise in the Wrong Direction,” with Jeff Makhholm, *Public Utilities Fortnightly*, July 9, 1987.
- “Conservation Subsidies: The Economist’s Perspective,” with Suellen Curkendall, *Electric Potential*, Vol. 2, No. 3, May/June 1986.
- “Our Nation’s Gas and Electric Utilities: Time to Decide,” with R. Shaughnessy, *Public Utilities Fortnightly*, December 3, 1981.
- “Is There a Free Lunch in the Northwest? (Utility-Sponsored Energy Conservation Programs),” with R. Shaughnessy, *Public Utilities Fortnightly*, December 1980.
- “Opportunities for Canadian Energy Policy,” with M. Reinbergs, *Journal of Business Administration*, Vol. 10, Fall 1978/Spring 1979.
- “Energy Regulation: When Federal and State Regulatory Commissions Meet,” with J. Williams, *American University Law Review*, 1978.
- “The End-User Pricing of Natural Gas,” with Don Wiener, *Public Utilities Fortnightly*, March 1978.
- “An Econometric Evaluation of a Generalized Consumer Surplus Measure: The Mineral King Controversy,” with V.K. Smith & A.C. Fisher, *Econometrica*, Vol. 44, No. 6, 1976.
- “Alternative Price Measures and the Residential Demand for Electricity: A Specification Analysis,” with V.K. Smith, *Regional Science and Urban Economics*, 1975.
- “An Economic Analysis of Water Resource Investments and Regional Economic Growth,” with V.K. Smith & J. Carston, *Water Resources Research*, Vol. 12, No. 1, 1975.
- “A Note on Fitting Log Linear Regressions with Some Zero Observations for the Regressand,” with V.K. Smith, *Metroeconomica*, Vol. 26, 1975.
- “The Design of Electricity Tariffs,” *Public Utilities Fortnightly*, August 28, 1975.

- “The Economics of Environmental Preservations: Further Discussion,” with A.C. Fisher & J.V. Krutilla, *American Economic Review*, Vol. 64, No. 6, December 1974.
- “Electricity Price Regulation: Critical Crossroads or New Group Participation Sport,” *Public Utilities Fortnightly*, August 29, 1974.
- “Interdependent Consumer Decisions: A Production Function Approach,” with V.K. Smith, *Australian Economic Papers*, December 1973.
- “Economic Models and Planning Outdoor Recreation,” with A.C. Fisher & V.K. Smith, *Operations Research*, Vol. 21, No. 5, September/October 1973.
- “Evaluating Federal Water Projects: A Critique of Proposed Standards,” with R.K. Davis, S.H. Hanke, & R.H. Haveman, *Science*, Vol. 181, August 1973.
- “The Mandatory Oil Import Quota Program: A Consideration of Economic Efficiency and Equity,” with W. Gillen, *Natural Resources Journal*, Vol. 13, No. 3, July 1973.
- “Congestion, Quality Deterioration and Optimal Use: Wilderness Recreation in the Spanish Peaks Primitive Area,” with V.K. Smith, *Social Sciences Research*, Vol. 2, March 1973 (reprinted July 1973).
- “The Economics of Environmental Preservation: A Theoretical and Empirical Analysis,” with A.C. Fisher & J.V. Krutilla, *American Economic Review*, Vol. 62, No. 4, September 1972.
- “Recreation Benefit Estimation and Forecasting: Implications of the Identification Problem,” with V.K. Smith, J.L. Knetsch, & R. Patton, *Water Resources Research*, Vol. 8, No. 4, August 1972.
- “Evaluating Benefits of Environmental Resources with Special Application to the Hells Canyon,” with J.V. Krutilla, *Natural Resources Journal*, Vol. 12, No. 1, January 1972. (Also published in *Benefit-Cost and Policy Analysis*, 1972.)
- “On the Economics of Mass Demonstrations: A Case Study of the November 1969 March on Washington,” with A.M. Freeman, R.H. Haveman, & J.L. Knetsch, *American Economic Review*, Vol. 61, No. 4, September 1971.
- “Option Demand and Consumer Surplus: Further Comment,” with A.M. Freeman III, *Quarterly Journal of Economics*, Vol. 85, August 1971.
- “Some Economic Issues Involved in Planning Urban Recreation Facilities,” *Land Economics*, February 1971.
- “A Note on Jointly Supplied Mixed Goods,” with V.K. Smith, *Quarterly Review of Economics and Business*, Vol. 10, No. 3, Autumn 1970.
- “A Gravity Model Analysis of the Demand for Public Communication,” with J.J. Seneca, *Journal of Regional Science*, Vol. 9, No. 3, Winter 1969.

Articles Appearing in Other Volumes

- “Including Unbundled Demand-Side Options in Electric Utility Bidding Programs,” in *Competition in Electricity: New Markets & New Structures*, with William Hogan and edited by James L. Plummer & Susan Troppmann, Public Utilities Reports and QED Research Inc.: Arlington, Virginia, March 1990.
- “Meeting the Nation’s Future Electricity Needs: Cogeneration, Competition and Conservation,” in *1989 Electricity Yearbook*, New York: Executive Enterprises, 1989.
- “Environmental Litigation and Economic Efficiency: Two Case Studies,” with R. Haveman in *Environmental Resources and Applied Welfare Economics: Essays in Honor of John F. Krutilla*, V.K. Smith ed., Washington, DC: Resources for the Future, 1988.
- “Electricity and Natural Gas Rate Issues,” with M. Reinbergs, in *The Annual Energy Review*, Palo Alto: Annual Reviews Inc., Vol. 4, 1979.
- “Die Erhaltund der Naturlichen Umwelt: Eine Theoretische und Empirische Untersuchung” with A. Fisher & John Krutilla, *Sonderdruck aus Umivelt und Wirtschaftliche Entwicklung*, Sieten 249-279, 1979.
- “The Measurement of Individual Congestion Costs: An Econometric Application to Wilderness Recreation,” with V.K. Smith, in *Theory and Measurement of Economic Externalities*, ed. S.A. Lin, New York: Academic Press, 1976.
- “Implementing Diurnal Electricity Pricing in the U.S.: A Pragmatic Approach,” in *Energy System Forecasting, Planning and Pricing*, ed. C.J. Cicchetti & W. Foell, Madison: University of Wisconsin Press, February 1975.
- “Measuring the Price Elasticity of Demand for Electricity: The U.S. Experience,” with V.K. Smith, in *Energy System Forecasting, Planning and Pricing*, ed. C.J. Cicchetti & W. Foell, Madison: University of Wisconsin Press, 1975.
- “Public Utility Pricing: A Synthesis of Marginal Cost, Regulatory Constraints, Averch-Johnson Bias, Peak Load and Block Pricing,” with J. Jurewitz, in *Studies in Electric Utility Regulation*, ed. C.J. Cicchetti & J. Jurewitz, Cambridge: Ballinger Publishing Company, 1975.
- “Congestion, Optimal Use and Benefit Estimation: A Case Study of Wilderness Recreation,” with V.K. Smith, in *Social Experiments and Social Program Evaluation*, ed. J.G. Albert & M. Kamrass, Cambridge: Ballinger Publishing Company, 1974.
- “Electricity Growth: Economic Incentives and Environmental Quality,” with W. Gillen, in *Energy: Demand, Conservation and Institutional Problems*, ed. M. Macrakis, Cambridge: MIT Press, 1974.
- “Some Institutional and Conceptual Thoughts on the Measurement of Indirect and Intangible Benefits and Costs,” with John Bishop, in *Cost-Benefit Analysis and Water Pollution Policy*, ed. H. Peskin & E. Seskin, Washington, D.C.: Urban Institute, 1974.
- “The Trans-Alaska Pipeline: An Economic Analysis of Alternatives,” with A.M. Freeman III, in *Pollution, Resources and the Environment*, ed. A.C. Enthoven & A.M. Freeman III, New York: W.W. Norton and Co., 1973.

- “Alternative Uses of Natural Environments: The Economics of Environmental Modification,” with A.C. Fisher and J.V. Krutilla, in *Natural Environments: Studies in Theoretical and Applied Analysis*, ed. J.V. Krutilla, Baltimore: Johns Hopkins University Press, 1972.
- “A Multivariate Statistical Analysis of Wilderness Users in the United States,” in *Natural Environments: Studies in Theoretical and Applied Analysis*, ed. J.V. Krutilla, Baltimore: Johns Hopkins University press, 1972.
- “Benefits or Costs? An Assessment of the Water Resources Council's Proposed Principles in Standards,” with R.K. Davis, S.H. Hanke, R.H. Haveman & L. Knetsch, in *Benefit-Cost and Policy Analysis*, ed. W. Nishkanen, *et al*, Chicago: Aldine Publishing Company, 1972.
- “Observations on the Economics of Irreplaceable Assets: Theory and Method in the Social Sciences,” with J.V. Krutilla, A.M. Freeman III & C. Russell, in *Environmental Quality Analysis*, ed. A Kneese and B.T. Bower, Baltimore: Johns Hopkins University Press, 1972.
- “Outdoor Recreation and Congestion in the United States,” in *Population, Resources and the Environment*, ed. R. Ridker, Washington, D.C.: U.S. Government Printing Office, 1972.
- “Benefit-Cost Analysis and Technologically Induced Relative Price Changes: The Case of Environmental Irreversibilities,” with J.V. Krutilla, *Natural Resources Journal*, 1972.

Less Technical Articles

- “Still the Wrong Route,” *Environment*, Vol. 19, No. 1, January/February 1977.
- “National Energy Policy Plans: A Critique,” *Transportation Journal*, Winter 1976.
- “The Mandatory Oil Import Program: A Consideration of Economic Efficiency and Equity,” with W. Gillen, *Joint Economic Committee of the U.S. Congress*, 1974.
- “The Political Economy of the Energy Crisis,” with R. Haveman, *Carroll Business Review*, Winter 1974.
- “The Wrong Route,” *Environment*, Vol. 15, No. 5, June 1973.
- “A Review of the Empirical Analyses that Have Been Based Upon the National Recreation Surveys,” *Journal of Leisure Research*, Vol. 4, Spring 1972.
- “How the War in Indochina is Being Paid for by the American Public: An Economic Comparison of the Periods Before and After Escalation,” *Public Forum*, July 1970, (reprinted in the *Congressional Record*, August 13, 1970).
- “User Response in Outdoor Recreation: A Reply,” with J.J. Seneca, *Journal of Leisure Research*, Vol. 2, No. 2, Spring 1970.
- “User Response in Outdoor Recreation: A Production Analysis,” with J.J. Seneca, *Journal of Leisure Research*, Vol. 1, No. 3, Summer 1969.
- “We Must Increase Access to Alaska’s Resources,” Op-Ed in the Washington Examiner, August 4, 2015.

“Competitive Battlefield: A View from the Trenches,” Northeast Utilities 1987 Annual Report, *Competition: A Matter of Choices*, 1987.

Speeches and Papers Presented Since 1971

“California: Going Green and Getting Regulation Right,” Law Seminars International 11th Annual Conference on Energy in California, San Francisco, CA, September 15, 2009.

“The Business Case For Energy Efficiency,” CS Week Conference, Washington, D.C., May 21, 2009.

“Back to The Future: Energy Planning and Lessons for the 1970’s,” Third Annual Nelson Institute Earth Day Conference, Madison, WI, April 22, 2009.

“Energy Efficiency and Regulatory Incentives,” EUEC 11th Annual Energy and Environment Conference, Tucson, AZ, January 27-30, 2008.

“Conservation Reconsidered: A First Row Seat,” Reconsidering “Conservation Reconsidered”: A 40-Year Legacy, Resources for the Future, October 3, 2007.

“Market Issues: Power Procurement & Contracts,” Law Seminars International, San Francisco, CA, September 17-18, 2007.

“Economists as Appraisers, Threats or Compliments?” Appraisal Institute Seminar, Los Angeles, CA, March 26, 2007.

“The Economic Health of California’s Energy Markets,” An Economist’s Perspective on the Electronic Health of CA Energy Markets, San Francisco, CA, September 26, 2006.

“California’s Electricity Supply and Demand: Reality Check 2006,” Electricity Policy Roundtable, San Francisco, CA, February 17, 2004.

“Solving California’s energy Problems: A Pragmatic Approach,” University of Southern California, Los Angeles, CA, September 12, 2003.

“Lessons from California to Russia,” Edison Electric Institute’s US/Russia Electricity Markets Conference, Washington, D.C., February 25, 2003.

“Measuring the Effects of Natural Resource Damage and Environmental Stigma on Property Value and Health,” April 30, 2002.

“State Regulation Is Here to Stay: Financing the Future,” NARUC 113th Annual Convention, Philadelphia, PA, November, 2001.

“Deregulation Revisited: The Power Crisis in California,” New York University’s Energy Forum, New York, NY, February 26, 2001.

“The Changing Face of Utilities,” Arthur Andersen 21st Annual Energy Symposium, Houston, TX, November 28-29, 2000.

“Lessons for Bangladesh: Thinking Globally While Acting Locally,” The World Bank’s Bangladesh Power Sector Reforms Workshop, Dhaka, Bangladesh, October 1, 2000.

- “Some Global Insights on Power Sector Reform in Bangladesh,” The World Bank’s Bangladesh Power Sector Reforms Workshop, Dhaka, Bangladesh, October 1, 2000.
- “Diversification and Shareholder Value,” The Energy Daily’s 27th Annual Conference: Lighting the World, Williamsburg, VA, December 2, 1999.
- “Challenges for Government-Owned Utilities,” The Bond Buyer Public Power Conference, Santa Monica, CA, October 7, 1999.
- “Restructuring America’s Electricity Industry and Public Power or Customer Owned Utilities,” APPA’s CEO Roundtable, Scottsdale, AZ, March 3, 1998.
- “Electricity Restructuring: The Future Role of Regulation (Woulda, Shoulda, Coulda),” American Bar Association’s Annual Electricity Conference, Denver, CO, February 13, 1998.
- “Mergers in the Utility Industry,” Arthur Anderson’s 18th Annual Energy Symposium, Houston, TX, December 9, 1997.
- “Convergence, Competition, Mergers and Marketing: Are You Getting Ready for the Millennium?” California Foundation on the Environment and the Economy, Santa Cruz, CA, December 4, 1997.
- “Electric Utility Strategy: Regulation, Restructuring and Competition,” The Fourth Annual Power Industry Forum: “A View Toward the New Energy Corporation,” San Diego, CA, March 7, 1997.
- “Restructuring Energy Markets: A World Perspective,” The Energy Daily’s 22nd Annual Conference: *The One-Stop Energy Stop*, Williamsburg, VA, December 12, 1996.
- “Mergers in the Utility Industry,” Arthur Anderson’s Energy Symposium, Houston, TX, December 10, 1996.
- “Political, Economic, and Regulatory Challenges when Transforming Privately-Owned Utilities to Competitive Enterprises,” Presentation at the Economist Conferences, Bilbao, Spain, November 12, 1996.
- “Transmission, Divestiture, and the Future,” Panelist at the EEI Strategic Planning Conference, Seattle, WA, October 14, 1996.
- “Merger Mania,” Utilities AIS Conference, St. Charles, IL. October 1-2, 1996.
- “Cost-of-Service Regulation: The Old Dog Won’t Hunt, and Recently, It Wasn’t Very Good,” Presentation to the Board of Wisconsin Electric Power Company, Belize, Central America, April 3, 1996.
- “Primary Mergers: An Insider’s Guide,” Electric Utility Week Conference, March 15, 1996.
- “Merger Policy Issues—When is a Proposed Electric Utility Merger in the Public Interest?” Panelist at the 3rd Annual DOE-NARUC National Electricity Forum, December 5, 1995.
- “Measuring the Effects of Natural Resources Damage and Environmental Stigma on Property Value,” Presented to Morgan, Lewis & Bockius, November 29, 1995.

- “Strategy for a Natural Gas Distributor: Competition, Consolidation, Cost Cutting,” Washington Gas Light, October 23, 1995.
- “Strategic Issues Facing the Electric Utility Industry,” AIS Symposium, St. Charles, IL, October 9, 1995.
- “Worldwide Electricity Restructuring: Regulation, Competition or Both?” presented at the 4th World Economic Development Congress, Washington, D.C., October 6, 1995.
- “Competition, Consolidation, Restructuring: A Program for Expanding Utility Consulting,” Western Region Utility Presentation, September 28, 1995.
- “North/South Estimated Savings Compared to Recent Merger Claimed Savings,” for PSCo information only, July 28, 1995.
- “California PUC Plans for Restructuring the Electric Industry,” Utilities Overheads, July 3, 1995.
- “Public Utility Holding Company Act (PUHCA) Current Issues,” Utilities Overheads, July 3, 1995.
- “Power Industry Restructuring: Competition and Deregulation are Not Synonyms,” Utilities Overheads, July 3, 1995.
- “The FERC’s Role in Electric Utility Industry Restructuring,” Utilities Overheads July 3, 1995.
- “Where to Regulation? Slice and Dice Supplants Command and Control,” HARC Presentation, August 8, 1995.
- “Strategic Issues Facing the Electric Utility Industry,” US West Presentation, August 1, 1995.
- “Proposal to Provide Consulting Services to Assist with An Alternative Ratemaking Proposal,” Boston Gas Presentation, July 27, 1995.
- “Strategic Issues Facing the Electric Utility Industry,” ConEd Presentation, July 26, 1995. (Also “Power Thinking”)
- “Strategic Issues Facing the Electric Utility Industry,” NU Board of Trustee Presentation, July 25, 1995.
- “Public Utility Holding Company Act (PUHCA),” Presentation to Southwest Gas Corporation, June 19, 1995.
- “FERC Activity-Gas Industry Update,” Presentation to Southwest Gas Corporation, June 19, 1995.
- “Electric Industry Restructuring Recent FERC and CPUC Developments,” Presentation to Southwest Gas Corporation, June 19, 1995.
- “Power Marketing and Bulk Power Markets: Power Marketing and its Impact on the Electric Power Industry,” Infocast’s Power Marketing and Bulk Power Markets, June 8, 1995.
- “Energy Industry in Transition,” Yankee Energy Systems presentation, May 23, 1995.
- “State Regulation in an Era of Regulated Competition,” American Enterprise Energy Policy Forum, May 16, 1995.

- “Natural Resource Damages Latest Developments and Future Focus,” The CVM Controversy. Executive Enterprises NRDA Conference, May 5, 1995, San Francisco, CA.
- “Restructuring the Electric Industry,” Prepared for Georgia Power Company, March 28, 1995.
- “Electric, Gas and Telephone Industry Insights and Outlooks,” Prepared for Peoples Energy Corporation Officers’ Planning Retreat, March 12, 1995.
- “The Driving Forces Reshaping the Electric Power Industry,” Presentation to Northeast Utilities Management, February 27, 1995.
- “Electricity Markets: Yesterday, Today, and Tomorrow,” and “The Driving Forces Reshaping the Electric Power Industry,” Presentation to General Electric, February 13, 1995.
- “Power Marketing and Its Role in the Competitive Energy Industry: Projecting Future and International Power Needs,” EEI Conference, January 27, 1995.
- “Evolution or Revolution: Whoever Gets the Customers Wins!” Energy Daily Conference, December 1, 1994.
- “Natural Resource Damages Latest Developments and Trends: CVM Controversy,” Executive Enterprise’s NRDA Conference, November 15, 1994.
- “The Current Natural Gas Transportation Issues that Affect the North American Market,” IGUA/ACIG Natural Gas Conference, November 15, 1994.
- “Power Marketing and Its Role in the Competitive Energy Industry: Projecting Future and International Power Needs,” Infocast-New York, October 28, 1994.
- “FERC and State Regulatory Incentives: Restructuring the Electric Utility Industry,” Arthur Andersen’s Financial Symposium, September 27, 1994.
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- “The Debate over Retail Competition in California: A Prescriptive Suggestion,” Aspen Institute Presentation Materials, July 6, 1994.
- “A Review and Critique of Internal Revenue Service Economist Report Regarding Electricity Conservation Program Expenditures and Related Tax Deductions,” EEI Taxation Committee Meeting, June 14, 1994.
- “Environmental Law, Liability & Litigation,” Director’s Roundtable, May 18, 1994.
- “Arthur Andersen Group Presentation to The Gas Company: Customer Values Initiative,” Los Angeles, California, 1994.
- “NRDA and Property Valuation Analysis,” presented to Fennemore Craig, P.C., February 28, 1994.

- “Commentary on the Future of Regulation: Pro or Kahn? (To Regulate or Not to Regulate: That is the Question,” NARUC/DOE presentation, February 15, 1994.
- “Latin America Assertion of Membership in Pacific Basin,” Aspen Institute, Pac Rim Workshop, January 31, 1994.
- “Utility Rate Regulation in the 1990s and Beyond,” 1993 Utilities Financial Symposium, September 14, 1993.
- “Natural Resource Damages: An Economic Critique,” Presented to Beveridge & Diamond (with J. Dubin), September 8, 1993.
- “Understanding Economic Damage Valuations Under NRDA,” Presented to Occidental USA, (with L. Wilde), August 17, 1993.
- “Allocating Costs in Superfund Cases,” Presented to Waste Management, July 1993.
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- “Draft RCRA Corrective Action Regulatory Impact Analysis (RIA),” Presented to Beveridge & Diamond, June 18, 1993.
- Chicago Energy Economic Association Speech, (CJC used notes/speech from UC Berkeley/RFF speech of May 10, 1993), June 10, 1993.
- “Understanding Economic Damage Valuations Under NRDA,” AAEC Corporate Counsel Symposium Series (Dallas & Houston), May 18-19, 1993.
- “The Regulatory Triad for the 90s: Integrated Resource Planning, Incentive, Regulation and Social Costing,” UC Berkeley/RFF Briefing, May 10, 1993.
- “Understanding Economic Damage Valuation Under NRDA,” AA/Perkins Coie Presentation, May 4, 1993.
- “DSM & Shareholder Incentive,” 1993 Rate Symposium, April 25-27, 1993.
- “Twenty Years Since Earth-Day I: What Have We Learned?” USC Economic Honor Society Omicron, Delta Epsilon, April 15, 1993.
- “The Clinton Economic Plan,” USC Panel Discussion, February 26, 1993.
- “Incorporating Externalities in Utility Least-Cost Planning,” Edison Electric Institute, February 10, 1993.
- “Incorporating Externalities in Utility Least-Cost Planning,” A Presentation to the ABA Mid-Year Meeting, February 7, 1993.
- “Understanding Economic Damage Valuations Under NRDA,” Presented at “OPA-On the Gulf Coast,” Seminar, sponsored by Haight, Gardner, Poor & Havens, January 27, 1993.

- “DSM and Shareholders Incentives,” Prepared for Southern California Edison, January 1993.
- “DSM and Shareholders Incentives,” Prepared for the Allied Social Science Association 1993 Annual Meetings, January 5, 1993.
- “Social Cost of Electricity,” Panel Discussant, Anaheim, CA, January 5 & 6, 1993.
- “Environmental Externalities: Are There Any Left?” American Bar Association’s Winter Meeting. Boston, MA, February 7, 1993.
- “Incorporating Externalities in Utility Least-Cost Planning,” Edison Electric Institute Energy and Environmental Committee, San Francisco, CA, February 10, 1993.
- “Environmental Policy: The Good, The Bad, The Ugly,” University of Southern California - Los Angeles, CA, February 25, 1993.
- “Incorporating Environmental Strategies into Your Corporation’s Overall Strategy to Improve the Bottom Line,” moderator, Arthur Andersen & Co. 1993 Energy Expo, Pittsburgh, PA, March 2-3, 1993.
- “Resource Planning, Incentives, and Pricing for Electric, Natural Gas, and Telecommunications Services: New Products and Regulations,” University of Missouri’ 1993 Rate Symposium, Kansas City, MO, April 26, 1993.
- “An Economist’s View of Demand Side Management,” Chicago Energy Economists Association, Chicago, IL, June 10, 1993.
- “Presentation to the Board of Southwest Gas,” Las Vegas, NV, June 14, 1993.
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- “Where Do We Go From Here: Bush or Clinton?” Presented at the Corporate Recovery Conference sponsored by Arthur Andersen & Co., Scottsdale, AZ, September 17, 1992.
- “The Economic Effect of the Clean Air Act on the U.S. Economy: Tradable Emissions Allowances,” National Clean Air Conference, Houston, TX, May 20, 1992.
- “Electric Utility Industry Through 2000,” Fluor Daniel Power Sector Meeting, San Diego, CA, January 28, 1992.
- “Valuation of Natural Resource Damages: Evolution of a Process,” Executive Enterprises, Inc. Conference Natural Resource Damages Claims and Litigation “Problems in Valuation,” November 7, 1991.
- “The Evolution of the Electric Utility Sponsored Conservation Movement in North America: Remembrance of Things Past,” Demand Side Management: A Current and Future Resource Conference Sponsored by the Commission of the European Communities and the International Energy Agency; Copenhagen, Denmark, October 23, 1991.
- “Are There Any Economic Efficiency Arguments for Embracing Utility-Sponsored Conservation Programs?” WEA International Conference, Seattle, WA, June 29, 1991.

- “National Resource Damages: What Does the Proposed Final DOI Rule Mean?” Presented at the Workshop on Natural Resource Damages, Washington, D.C., May 30, 1991.
- “When Green Turns Mean: Pollution as a Crime,” Emerging Environmental Policies and Business Conference, University of North Carolina State University, April 18, 1991.
- “When Green Turns Mean: Pollution as a Crime,” Presented at the Third Annual Law and Economics Seminar of Putnam, Hayes & Bartlett, Inc., The Arizona Biltmore Hotel, Phoenix, AZ, November 7-11, 1990.
- “The Legal and Economic Consequences of 1992,” Presented at the Second Workshop on Post Keynesian Economics, Knoxville, TN, July 3, 1990.
- “Environment: A Green Gimmick or a New Game Plan?” Presented at Pacific Gas & Electric Company’s Managers Meeting, San Francisco, CA, May 31, 1990.
- “Energy Firms and Global Environmental Policy,” 1990 PacRim Workshop, Seoul, Korea, May 16, 1990.
- “Can the Gas Business Fulfill Its New Promise?” Presented at “Inside F.E.R.C.,” San Francisco, CA, April 20, 1990.
- “Energy Firms and Global Environmental Policy,” Presented at Pacific Gas & Electric’s Management Committee Retreat, Santa Cruz, CA, March 17-26, 1990.
- “Can Economic Efficiency and Demand Side Bidding Co-Exist?” Bidding for Electricity Conference, Davis, CA, March 15, 1990.
- “Electric Utility Mergers and Reorganization: Antitrust Meets Regulation,” Presented at the Third Annual Conference on Electric Law and Regulation, Denver, CO, March 9, 1990.
- “Infrastructure, Regulatory, Risk/Reward Issues,” Presented at the Portland General Symposium, Portland, OR, November 6, 1989.
- “Belated and Expensive: How Utilities Have Reacted to New Economic Imperatives in the Last Two Decades,” Conference Sponsored by the Energy Daily, The Watergate Hotel, Washington, D.C., November 3, 1989.
- “Competitive Building: Price, Time, Location and Uncertainties,” Presented at the Coopers & Lybrand Annual Electric & Gas Conference, Crystal Gateway Marriot, Arlington, VA, November 2, 1989.
- “Electric Utilities: New Markets, New Challenges,” Speech before the Interstate Natural Gas Association of America Seminar, The Greenbrier, White Sulphur Springs, West Virginia, October 17, 1989.
- “Sweetening the Pot: Plaintiff Devices to Maximize Claims (Contingent Value Surveys Hedonic Price Measures),” Second Annual Law and Economics Seminar a Putnam, Hayes & Bartlett, Inc., The Arizona Biltmore Hotel, Phoenix, AZ, October 11-14, 1989.
- “Incentive Regulation and Conservation Policy,” Presented at the New England Conference of Public Utility Commissioners, Kennebunkport, ME, September 2, 1989.

- “Incentive Regulation and Conservation Policy,” Presented at the New England Conference of Public Utility Commissioners (NARUC) Least-Cost Planning Conference, Charleston, SC, September 11, 1989.
- “Twenty Years Since Earth Day I: What Have We Learned,” 7th International Oil and Gas Conference, Cambridge, MA, June 1-2, 1989.
- “The Resurgence of Political Economy in Regulated Industries,” Law and Economics Seminar, London, England, May 18, 1989.
- “Back to the Future in Gas and Electric Industries,” Annual Meeting of the Federal Bar Association, Washington, D.C., May 5, 1989.
- “The Role of Rate Reform: The Bundling of Services,” International Association of Energy Economists, North American Gas Supply and Markets Conference, The Hyatt Regency, Denver, CO, September 7, 1989.
- “Incentive Regulation: What Works and What Doesn’t,” Presented at the Great Lakes Conference of Public Utility Commissioners, The Greenbrier, White Sulphur Springs, WV, July 11, 1989.
- “New Proposals for Incentive Regulation in the Electric Utility Industry,” Chief Executives’ Forum, Key Largo, FL, Sponsored by the First Boston Corporation and Putnam, Hayes & Bartlett, Inc., February 9-12, 1989.
- “Current Trends in Regulation and Some New Proposals to Alter Incentives in the Electric Utility Industry,” Harvard Utility Forum Meeting, Cambridge, MA, February 2, 1989.
- “Some New Proposals to Introduce Incentive Tariffs in the Electric and Natural Gas Industries,” Utility Discussion Group, Held by Putnam, Hayes & Bartlett, Inc., Capital Hilton, Washington, D.C., January 5, 1989.
- “Privatization in Developing Countries: Case Studies of Electricity in Turkey and Pakistan,” EESIG Brown-Bag Lunch, December 14, 1988.
- “Some New Proposals to Introduce Incentive Tariffs in the Electric and Natural Gas Industries,” Harvard Utility Forum – Harvard Gas Forum Demand-Side Bidding/Alternatives to Rate Base Regulation Workshop, Cambridge, MA, December 13, 1988.
- “The March Towards a Competitive Gas Industry: Obligation to Serve, Incentive Regulation, and Risk Allocation,” The Interstate Natural Gas Association of America Seminar, Washington, D.C., December 2, 1988.
- “Pricing and Contracting Issues and Experience,” Presented at the AIT/ASEAN Senior Executive Seminar, Hua Hin, Thailand, November 9-11, 1988.
- “Some Thoughts on Why and How to Initiate Private Power in Pakistan,” ASEA/AIT/USAID Senior Executive Seminar in Co-Generation and Private Power, Hua Hin, Thailand, November 1988.
- “Meeting the Nation’s Future Electricity Needs: Cogeneration, Competition and Conservation,” Presented at the 100th Annual Convention and Regulatory Symposium of the National Association of Regulatory Utility Commissioners, San Francisco, CA, November 2, 1988.

- Speech before the New Dimensions in Pricing Electricity Conference of Niagara Mohawk Power Corporation and the Electric Power Research Institute, "Cogeneration and Competition," Syracuse, NY, September 30, 1988.
- Speech before the Second Annual Conference of the American Cogeneration Association, "Cogeneration and Competition," Chicago, IL, September 26, 1988.
- "Valuing Damages to Natural Resources in Environmental Litigation," Presentation before the American Bar Association Annual Meeting, Toronto, Ontario, CAN, August 8, 1988.
- "Decision Making and Environmental Risks: Economic and Political Issues An Executive Summary," The Robert M. La Follette Institute of Public Affairs, The University of Wisconsin-Madison, June 1988.
- Comments Before the American Bar Association First Annual Conference on Electricity Law and Regulation, Denver, CO, April 7-8, 1988.
- "After the Chaos: Gas Strategies for the Long Term," Inside F.E.R.C.'s Eight Annual Conference, New Orleans, LA, March 21-22, 1988.
- "Wholesale Electricity, Old Scar-Tissue: New Wounds Versus New Solutions," before the National Governors' Association, Washington, D.C., December 10, 1987.
- "Recent Changes in Natural Gas Transportation and Marketing: What, if Anything, Can They Tell Us About Electricity Reform?" Seventh Annual Electricity and Gas Executives Conference, First National Bank of Chicago, September 21, 1987.
- "U.S. Economic Regulation of Electricity," with Miles Bidwell, NERA Seminar, London, England, June 26, 1987.
- "Pricing and Energy Policy in Wisconsin and the United States," Workshop on Energy, The Economy, and the Environment, IIASA, Laxenburg, Austria, June 23-25, 1987.
- "State Regulation in the Natural Gas Revolution," presented at Proceeding of Gas Mart '87, The First National Trade Fair for Natural Gas, sponsored by *Natural Gas Intelligence*, Washington, D.C., May 3-5, 1987.
- "Can Natural Gas Deregulation be a Model for the Electric Industry?" Speech given at the First Rutgers/New Jersey Department of Commerce Annual Conference on Energy Policy in the Middle Atlantic States, February 20, 1987 (also published in *Energy Deregulation and Economic Growth*).
- "Are Energy Efficiency Programs Worth It?" with Suellen M. Curkendall, IAEE Conference, MIT, Cambridge, MA, November 19-21, 1986.
- "Marketing Strategies for Natural Gas Distributors in the 1900s," before the Gas Utility Managers Conference Sponsored by the New England Gas Association, September 7-9, 1986.
- "Conservation and Cogeneration: The Utilities' Friends or Foes?" with M. Berkman, S. Curkendall and H. Parmesano, before the NERA Electric Utility Conference, Scottsdale, AZ, February 12-15, 1986.

- “The Future Competitive Environment for Utilities,” remarks prepared for Dayton Power & Light Company 1985 Interdivisional Meeting, December 9, 1985.
- “The Final Rule for Natural Gas Carriage,” Presentation before the Ohio Electric Association, Cincinnati, OH, October 23, 1985.
- “The FERC’s Recent Interest in Wheeling and Carriage,” co-authored by Robert D. Obeiter, before the Ninth Annual News Media Seminar, Columbus, Ohio, and the Third NARUC Electric Research and Development Seminar, St. Charles, IL, October 22, 1985.
- “The Regulatory World of Natural Gas: Are We Quitting the Game or Changing the Rules?” before the Natural Gas Supply Association 1985 Annual Meeting, Miami, FL, October 10, 1985.
- “Marginal Cost and Competition: Unbundling Natural Gas Carriage,” before the Advanced Seminar in Gas Pricing Policies, Sponsored by the American Gas Association, College Park, MD, October 8, 1985.
- “Commingling Competition with Regulation: Closing the Circle or Quitting the Game,” before the Iowa Investor-Owned Utilities Management Conference, Waterloo, IA, October 7, 1985.
- “The State Regulator in a Free Gas Market,” Comments Presented at a Conference Sponsored by The Gas Daily, Chicago, IL, August 1985.
- “Grafting Competition Onto Regulation: The Problems and The Promise,” before the Iowa State Regulatory Conference, Ames, IA, May 1985.
- “Comments Before The Workshop on Current Antitrust Issues in Public Utility Industries, sponsored by the American Bar Association, Washington, D.C., March 1985.
- “Yesterday, Today and Tomorrow,” Comments before the IEEE Winter Power Meeting, New York, NY, February 5, 1985.
- “Natural Gas: The Eggs Have Been Scrambled, Now What?” Before the National Association for Regulatory Utility Commissioners Annual Meeting, Los Angeles, CA, November 1984.
- “The Performance of the Regulation of Public Utilities in the U.S., “A NERA Seminar: Is American-Style Regulation Appropriate to the UK?” London, England, October 1984.
- “A Strategy for Implementing Electricity Tariff Reform and Load Management in Korea,” Seoul, Korea, 1982.
- “The National Energy Act and State Utility Regulation,” NARUC Convention, Las Vegas, NV, November 1982.
- “Time of the Electricity Pricing: Correcting Some Continuing Confusion,” NARUC Annual Convention, New Orleans, LA, November 16, 1977.
- “Our Energy Crisis and Education: A Critical Assessment,” Council for Educational Development and Research Conference on Education Confronts Energy Conference, Washington, D.C., June 22, 1977.

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The Advest Seminar comments entitled “Meeting Experiments,” at New York, NY, October, 1976.

The Annual Meeting of American Economic Association,” Nixon-Ford National Policy Plans: A Critique,” Atlantic City, New Jersey, September, 1976.

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Prepared Remarks before the 1976 Symposium on Rate Design Problems of Regulated Industries, “The Marginal Cost of Electricity and Continuing Rate Controversies,” Kansas City, MO, February, 1976.

Prepared Remarks before the Wisconsin Manufacturing Association in Stevens Point, WI, September, 1975.

“Public Utility Pricing, Conservation and Ecology,” NARUC Annual Regulatory Studies Program, Michigan State University, East Lansing, MI. August 1975.

“Energy Pricing: The Growing Consumer Burden,” Third National Seminar for Consumer Representatives in State and Local Government. Milwaukee, WI, July, 1975.

“New Approaches to Public Utility Rate Setting,” Third National Seminar for Consumer Representatives in State and Local Government, Milwaukee, WI, July, 1975.

“The Design of Electricity Tariffs,” Upper Great Lakes Utilities Commission. Greenbriar, West Virginia. July 1975.

“Time of Day Pricing: WHY and HOW,” Joint Conference by the Federal Energy Administration, the American Public Power Association, the Edison Electric Institute, the National Association of Regulatory Utility Commissioners, and the National Electric Cooperatives Association. Washington, D.C., June, 1975.

Prepared Remarks before the Institute of Public Utilities, Michigan State University, East Lansing, MI, May, 1975.

“The Energy Game: Who are the Players?” 49th Annual Convention of the Wisconsin Petroleum Association, April 2, 1975.

“Implementing Time-of-Day Pricing of Electricity: Promises and Pitfalls,” Atlanta, GA. March, 1975.

Prepared remarks “The Time has Come to Speak Out On Our Energy and Economic Crisis,” Madison, WI, March, 1975.

Prepared Remarks before The American Association for the Advancement of Science at the Minnesota Energy Agency Conference, 1975,” Energy Pricing in the United States: A Critique,” 1975.

“Benefit Cost Analysis and the National Environmental Policy Act,” Proceedings of the American Bar Association, 1975.

“Electricity Price Regulation: Critical Crossroads or New Group Participation Sport,” Ames Public Utility Conference and the Midwest Association of Regulated Utilities Conference, both 1974.

“Implementing Diurnal Pricing: A Pragmatic Approach,” At the Regulatory Information Systems Conference. St. Louis, MO. 1974.

“An Economist Views the National Environmental Policy Act and the Environmental Impact Statement,” Public Choice Meetings, American Bar Association Annual Meeting, College Park, MD, March, 1973.

“Electricity Growth: Economic Incentive and Environmental Quality,” With W. Gillen. Conference on Energy: Demand and Institutional Problems, February, 1973.

“Some Economic Implications of the NEPA,” Public Choice Meetings, American Bar Association Annual Meeting, Washington, D.C., 1973.

“Regression Analysis with Dichotomous Dependent Variables,” With V. Kerry Smith. Toronto, CAN, December, 1972.

“Optimality in Producing and Distributing Public Outputs,” The American Economic Association, December, 1971.

“Preservation Versus Development: Some Economic Issues,” with J.V. Krutilla, Econometric Society Meetings, December, 1970.

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- Before the Supreme Court of the State of New York, County of Albany, Affidavit in Support of National Energy Marketers Association's Application for an Order to Show Cause for a Temporary Restraining Order and Permanent Injunction, Index No. 868-16, May 9, 2016.
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- In the Matter of Arbitration Proceedings Concerning Disputes with to TAGP'S July 26, 2012 Notice of Force Majeure at Sundance Generating Station Unit 6, Among TransAlta Generation Partnership (TAGP) and Capital Power PPA Management, Inc. (CPPMI) and Balancing Pool (Balancing Pool), Expert Report November 13, 2013.
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- Before the United States Court of Appeals for the Tenth Circuit, Nos. 11-9552, 11-9557 & 11-9567, On Petitions for Review of Final Action of the United States Environmental Protection Agency, Declaration in Support of the Navajo Nation's Amicus Brief, May 18, 2012.
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