

Scott M. Harvey

Consultant

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Education

Ph.D. in Economics,
University of California,
Berkeley

B.A. in Economics,
University of Illinois-
Champaign-Urbana

Dr. Scott Harvey has consulted on competition and market design in the electric power industry; gas pipeline rate and pricing issues; contract and transfer pricing; private antitrust litigation; and numerous mergers and acquisitions, particularly in the oil, gas pipeline and electric utility industries.

PROFESSIONAL EXPERIENCE

FTI Consulting, Consultant, Boston, MA, 2011 to present

LECG, Director, Cambridge, MA, 1998 to March 2011

Putnam, Hayes & Bartlett, Inc., Director, 1987–1998

Bureau of Economics, US Federal Trade Commission, 1977–1987

CONSULTING EXPERIENCE

Electric Utility

- Assisted with development of the market design and pool-based open access transmission tariffs of the Member Systems of the New York Power Pool and the PJM Supporting Companies for the markets implemented by PJM in 1998 and New York in 1999, based on locational marginal pricing (LMP) and financial transmission rights.
- Worked with a coalition supporting the development of an LMP-based congestion management system in NEPOOL to reform NEPOOL's congestion management system.
- Assisted ISO New England with the development and implementation of a multi-settlement system for energy and ancillary services and a congestion management system based on LMP and financial transmission rights, implemented in 2003.
- Tested the pricing software of the NYISO prior to startup. After startup responsible for identification and correction of erroneous prices in NYISO settlements through mid 2008.
- Assisted Midwest ISO with the development of its LMP-based long-term congestion management system that began operation in 2005.
- Beginning in August 2004, began assisting the California ISO with the development and implementation of the LMP-based MRTU market design that began operation in April 2009.
- Assisted California ISO with analysis track testing of its MRTU pricing and dispatch software and developed price validation tools for use by the California ISO.
- Member MISO Market Advisory Committee, 2008-2013
- Member California ISO Market Surveillance Committee April 1, 2011-.
- Worked with New York ISO, MISO and California ISO on inter-control area coordination, transaction scheduling, and pricing.

- Worked with groups opposing creation of barriers to the entry of new generators in NEPOOL and California.
- Advised RTOs and market participants on transmission expansion processes and cost allocation in competitive electricity markets.
- Analyzed the potential for, and evidence of, the exercise of market power in deregulated electric generation markets.
- Analyzed the performance and competitive effects of market power mitigation policies for electricity generation assets.
- Assisted RTOs with the analysis and development of credit policies for virtual trading and financial transmission rights.
- Assisted RTOs with the analysis of market performance, resource adequacy issues and alternative resource adequacy designs;
- Assisted RTOs with analysis of Clean Power Plan market and reliability impacts;
- Assisted the MISO and California ISO with the development of their ramp capability dispatch designs implemented in 2016.

Gas

- Analyzed the competitive forces affecting gas pipeline rates, both in the context of pipeline pricing strategies and in the context of FERC review of gas pipeline rates.
- Analyzed the competitive and price effects of price fixing agreements in the natural gas pipeline industry.
- Analyzed the actual and potential value of firm pipeline transmission capacity.
- Analyzed the competitive effects of actual and proposed acquisitions in the gas pipeline industry.
- Analyzed the accuracy of gas price indices.

Oil Industry

- Analyzed the competitive effects of actual or proposed acquisitions and joint ventures in the oil terminaling and marketing, oil refining and oil pipeline industries, including the Amoco-BP merger; the Texaco-Shell joint venture; the proposed Phillips-Conoco and Phillips-Ultramar joint ventures; Sun Cos acquisition of Chevron's Philadelphia refinery and Atlantic Refining Co.; Williams Cos acquisition of the Oklahoma Mississippi River System and Marathon's acquisition of Rock Island Refining.
- Developed economic principles for the allocation of joint costs in the oil and gas producing industry.
- Developed estimates of the market price for ANS type crude oil processed at refineries operated by ANS producers.
- Estimated the pass-through of crude oil price increases into refined product prices.

Other Antitrust and Merger Consulting Experience

- Analyzed the competitive effects of actual or proposed acquisitions and joint ventures in the

float glass; residential and commercial roofing; electrical equipment; industrial controls; and chemical industries.

- Analyzed the competitive effects of partial equity interests and joint ventures in a variety of industries.
- Estimated the magnitude of alleged price fixing overcharges in a variety of industries.

GOVERNMENT EXPERIENCE

- Analyzed the competitive impact of many oil industry mergers and acquisitions, including Mobil Corporation's proposed acquisition of Marathon Oil; Gulf Oil's proposed acquisition of Cities Service Company; Texaco's acquisition of Getty Oil; and Chevron's acquisition of Gulf Oil.
- Analyzed the competitive impact of gas pipeline mergers and acquisitions including Internorth's acquisition of HNG; Midcon's acquisition of United Gas Pipe Line; and Occidental Petroleum's acquisition of Midcon.
- Participated in non-public investigations of predatory pricing, non-price predation, price fixing, monopolization and sham litigation in a variety of industries.
- Served as an economic advisor to FTC Commissioner Azcuenaga.

PUBLICATIONS

"Transmission Capacity Reservations Implemented through a Spot Market with Transmission Congestion Contracts," with William W. Hogan and Susan L. Pope, *Electricity Journal*, Vol. 9, #9, November 1996.

"Mergers in the U.S. Petroleum Industry 1971–1984: An Updated Comparative Analysis," with Jay S. Creswell, Jr., and Louis Silvia. Bureau of Economics Staff Report to the Federal Trade Commission, May 1989.

U.S. Federal Trade Commission, *Mergers in the Petroleum Industry*, September 1982 (with others).

Petroleum Product Price Regulations: Output, Efficiency and Competitive Effects, with C. Roush. U.S. Government Printing Office, Washington D.C., 1981.

"Petroleum Product Price Regulations: Output and Efficiency Effects," with C. Roush. Carnegie Rochester Conference Series on Public Policy, Vol. 14, Spring 1981.

"Factors Leading to Structural Change in the U.S. Oil Refining Industry in the Postwar Period," with S. Peck. *Advances in the Economics of Energy Resources*, Vol. 1, 1979.

WORKING PAPERS AND REPORTS

Scott Harvey and NYISO Staff, *NYISO Reliability Gap Assessment*, in NYISO "Reliability and Market Considerations for A Grid in Transition," December 20, 2019.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on System Market Power Mitigation," Market Surveillance Committee of the California ISO, November 5, 2019.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Reliability Must Run and Capacity Procurement Mechanism Enhancements," Market Surveillance Committee of the

California ISO, March 21, 2019.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Local Market Power Mitigation Enhancements," Market Surveillance Committee of the California ISO, March 6, 2019.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Intertie Deviation Settlements," Market Surveillance Committee of the California ISO, January 18, 2019.

Joe Cavicchi, Scott M. Harvey, "Ramp Capability Dispatch and Uncertain Intermittent Resource Output," Rutgers Center for Research in Regulated Industries, Advanced Workshop in Regulation and Competition, 31st Annual Western Conference, Monterey California, June 27-29, 2018.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Congestion Revenue Rights Auction Efficiency," Market Surveillance Committee of the California ISO, June 13, 2018.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Congestion Revenue Rights Auction Efficiency," Market Surveillance Committee of the California ISO, March 13, 2018.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Commitment Costs and Default Energy Bid Enhancements," Market Surveillance Committee of the California ISO, March 1, 2018.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Contingency Modeling Enhancements," Market Surveillance Committee of the California ISO, November 28, 2017.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Modeling of Generator Contingencies and Remedial Action Schemes in the California ISO Markets," Market Surveillance Committee of the California ISO, August 24, 2017.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Commitment Cost Bidding Improvements," Market Surveillance Committee of the California ISO, March 16, 2016.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, "Opinion on Flexible Ramping Product," Market Surveillance Committee of the California ISO January 20, 2016.

Scott M. Harvey, "Discussion on Flexiramp and Virtual Bidding," California ISO, Market Surveillance Committee Meeting, December 11, 2015.

Scott M. Harvey, "Market Manipulation and Demand Response," June 22, 2015, Rutgers Center for Research in Regulated Industries, 28th Annual Western Conference.

James Bushnell, Benjamin F. Hobbs, Shmuel S. Oren, Scott M. Harvey, "Opinion on Reliability Services Phase 1 and Commitment Costs Enhancements Phase 2," Market Surveillance Committee of the California ISO, March 23, 2015.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Opinion on Commitment Cost Enhancements," Market Surveillance Committee of the California ISO, September 8, 2014.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Opinion on LMPM Implementation in the Energy Imbalance Market," Market Surveillance Committee of the California ISO, July 7, 2014.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Opinion on Flexible Resource Adequacy Criteria and Must-Offer Obligation," Market Surveillance Committee of the California ISO, March 11, 2014.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Opinion on Implementation of the Full Network Model," Market Surveillance Committee of the California ISO, January 30, 2014.

Scott M. Harvey and David Molin, "Review of 'Deregulation of Electric Generation in New York State and Excess Profits for Power Producers: the Case of the Entergy Corporation and the Indian Point Energy Center,'" prepared for the New York ISO, January 21, 2014.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Opinion on Initial Implementation of the Energy Imbalance Market and Related Market Design Changes," Market Surveillance Committee of the California ISO, October 30, 2013.

James Bushnell, Scott M. Harvey, Benjamin F. Hobbs, Shmuel S. Oren, "Report on the Appropriateness of the Three Pivotal Suppliers Test and Alternative Competitive Screens," Market Surveillance Committee of the California ISO, June 27, 2013, filed with FERC in docket ER12-423-000.

Scott M. Harvey, "Review of the Efficiency of the Hourly Ontario Energy Price," prepared for the Ontario IESO, March 28, 2013 (Revised June 18, 2013).

Nivad Navid, Gary Rosenwald, Scott M. Harvey, Ryan Sutton and CongCong Wang, "Ramp Capability Product Cost Benefit Analysis," June 2013, Filed by MISO in Docket ER14_2156_000, June 20, 2014.

Scott M. Harvey, "Managing Uncertain Intermittent Resource Output in the Unit Commitment and Dispatch," June 17, 2013, Rutgers Center for Research in Regulated Industries, 26th Annual Western Conference.

Scott M. Harvey, Jams Bushnell, Benjamin F. Hobbs, and Shmuel S. Oren, "Opinion on Order 764 Compliance and Related Market Design Changes," Market Surveillance Committee of the California ISO, May 7, 2013.

Scott M. Harvey, William W. Hogan, and Susan L. Pope, "Evaluation of the New York Capacity Market," prepared for the New York ISO, March 5, 2013.

James Bushnell, Scott Harvey, Benjamin Hobbs, Shmuel Oren, "Opinion on Mitigation Measures for Exceptional Dispatch in Real-Time," Market Surveillance Committee of the California ISO, December 5, 2012.

James Bushnell, Scott Harvey, Benjamin Hobbs, Shmuel Oren, "Opinion on Flexible Capacity Procurement: Risk of Retirement," Market Surveillance Committee of the California ISO, September 7, 2012.

Scott Harvey, "Options for Implementing a Dynamic Net Benefits Test Based on the Billing Unit Effect," Prepared for the ISO RTO Council, September 5, 2012.

James Bushnell, Scott Harvey, Benjamin Hobbs, Shmuel Oren, "Opinion on Bid Cost Recovery Mitigation Measures and Commitment Costs Refinement," Market Surveillance Committee of the California ISO, May 7, 2012.

James Bushnell, Scott Harvey, Benjamin Hobbs, "Opinion on Pay-for-Performance Regulation," Market Surveillance Committee of the California ISO, March 9, 2012.

James Bushnell, Scott Harvey, Benjamin Hobbs, "Opinion on the Integration of Transmission Planning and Generator Interconnection Procedures," Market Surveillance Committee of the

California ISO, March 9, 2012.

James Bushnell, Scott Harvey, Benjamin Hobbs, "Opinion on Integration: Market and Product Review, Phase 1," Market Surveillance Committee of the California ISO, December 8, 2011.

James Bushnell, Scott Harvey, Benjamin Hobbs, Steven Stoft, "Final Opinion on Intertie Convergence Bidding and the Imbalance Energy Offset," Market Surveillance Committee of the California ISO, August 16, 2011.

James Bushnell, Scott Harvey, Benjamin Hobbs, Steven Stoft, "Final Opinion on Payment for Provision of Flexible Ramping," Market Surveillance Committee of the California ISO, August 16, 2011.

Scott M. Harvey, "Comments on FTR Allocation Evaluation Criteria and Assessment," Prepared for Midwest ISO, July 25, 2011.

Scott Harvey, James Bushnell, Benjamin Hobbs, Members of the Market Surveillance Committee of the California ISO, "Opinion on Local Market Power Mitigation and Dynamic Competitive Path Assessment," Market Surveillance Committee of the California ISO, July 1, 2011.

Scott Harvey, James Bushnell, Benjamin Hobbs, Steven Stoft, Market Surveillance Committee of the California ISO, "Supplemental Opinion on Economic Issues Raised by FERC Order 745; "Demand Response Compensation in Organized Wholesale Energy Markets," Market Surveillance Committee of the California ISO, May 27, 2011.

Scott Harvey and Susan Pope, "Evaluation of MVP Transmission Cost Allocation Design," Prepared for the Midwest ISO, June 9, 2010.

Scott Harvey and Susan Pope, "Evaluation of Midwest ISO Injection/Withdrawal Transmission Cost Allocation Design," Prepared for the Midwest ISO, March 5, 2010 (Updated April 15, 2010).

Scott M. Harvey and William W. Hogan. "McCullough's Critique of the New York Electricity Market," Prepared for the New York ISO, December 22, 2009.

Scott M. Harvey and Scott Travers, "Market Incentives for Generation Investment," Discussion Paper prepared in support of IESO's 2009 Ontario Market Outlook (released January 15, 2009), December 2, 2008.

Scott M. Harvey, Matthew Kunkle, Benjamin Hagberg, and Shaun Glassman, "Final Report: Analysis Track Testing of CAISO MRTU Pricing and Dispatch," Prepared for California Independent System Operator, October 20, 2008.

Michael Cadwalader, Scott Harvey and Susan Pope, "Comments on the Evaluation of an Unconstrained Price Day-Ahead Market Compared to an Enhanced Day-Ahead Commitment Process," Prepared for IESO, August 29, 2008.

Scott M. Harvey, Matthew Kunkle, Benjamin Hagberg, Alexis Maharam, Shaun Glassman and Christine Offerman, "Interim Report: Analysis Track Testing of CAISO MRTU Pricing and Dispatch," Prepared for California Independent System Operator, July 1, 2008.

Scott M. Harvey, "Proxy Buses and Congestion Pricing of Inter-Balancing Authority Area Transactions," June 9, 2008 (filed by California Independent System Operator in FERC Docket No. ER08-1113-000, Attachment H. Exhibit ISO-4, June 17, 2008).

Scott M. Harvey, Matthew Kunkle, Benjamin Hagberg, Alexis Maharam, Shaun Glassman and

Christine Offerman, "Preliminary Report: Analysis Track Testing of CAISO MRTU Pricing and Dispatch," Prepared for California Independent System Operator, April 16, 2008.

Scott M. Harvey, "ISO-NE Capacity Market Design," Prepared for California Independent System Operator, October 9, 2007.

Scott M. Harvey, "PJM RPM Capacity Model," Prepared for California Independent System Operator, August 10, 2007.

Scott M. Harvey, Bruce M. McConihe and Susan Pope, "Analysis of the Impact of Coordinated Electricity Markets on Consumer Electricity Charges," November 20, 2006 (Revised June 18, 2007).

Scott M. Harvey, "Analysis of TCC Credit Policy Background," New York Independent System Operator, Inc., April 21, 2007 (Revised May 21, 2007).

Scott M. Harvey, "CAISO CRR Credit Requirements," California Independent System Operator, February 20, 2007.

Scott M. Harvey, Lorenzo Kristov and Mark Rothleder, "Overview of CAISO Analysis of the Seams Issues Whitepaper prepared for the Control Area Coalition by ZGlobal Inc.," Prepared for the California ISO, January 16, 2007.

Scott M. Harvey, "Resource Adequacy Mechanisms: Spot Energy Markets and Their Alternatives," Center for Research in Regulated Industries, 19th Annual Western Conference, Monterey, California, Revised June 28, 2006.

David F. Babbel and Scott M. Harvey, "Evaluation of NYISO Virtual Trading Collateral Multiple Policy," New York Independent System Operator, Inc. January 31, 2006.

Scott M. Harvey and Susan Pope, "CRR Study 2 Report Addendum," California Independent System Operator, September 30, 2005.

Scott M. Harvey, "Reserve Optimization Cost Savings," New York Independent System Operator, Inc., August 11, 2004 (revised September 19, 2005).

Scott M. Harvey, "ICAP Systems in the Northeast: Trends and Lessons," California Independent System Operator, September 19, 2005.

Scott M. Harvey and Susan L. Pope, "CRR Study 2: Evaluation of Alternative CRR Allocation Rules," California Independent System Operator, August 24, 2005.

Scott Harvey and Susan Pope, "Illustration of Issues Arising in CRR Allocation to LAPs," California Independent System Operator, July 1, 2005.

Scott M. Harvey and William W. Hogan, "Empirical Analysis of the Exercise of Market Power in California Electricity Markets," International Industrial Organization Conference, Industrial Organization Society, Atlanta Georgia, April 9, 2005.

Scott M. Harvey, Susan L. Pope and William W. Hogan, "Comments on the California ISO MRTU LMP Market Design," California Independent System Operator, February 23, 2005.

Scott M. Harvey, "Shortfall Allocation Methodology," New York Independent System Operator, Inc., February 15, 2005.

Scott M. Harvey, "Benefit Analysis and Cost Allocation for Regulated Transmission Investment,"

Prepared for Midwest ISO, October 4, 2004.

Scott M. Harvey, "Internal NYISO DC Controllable Line Scheduling" Concept of Operation, New York Independent System Operator, May 4, 2004.

Scott M. Harvey and William W. Hogan, "Comments on CAISO CRR Auction and Allocation Issues," March 2, 2004 (revised April 16, 2004).

Scott M. Harvey, William W. Hogan and Todd Schatzki, "A Hazard Rate Analysis of Mirant's Generating Plant Outages in California," January 2, 2004.

Scott M. Harvey and Susan L. Pope, "Application of the Make-Whole Approach and Shortfall Reduction Procedure to the Day-Ahead Market and TCC Auction," NYISO Market Structures Working Group, October 17, 2003.

Scott M. Harvey, "FTR Hedging and Arbitrage," MISO CMWG, August 19, 2003.

Scott M. Harvey, "Proxy Buses, Seams and Markets," Draft, NYISO Market Structures Working Group, May 23, 2003.

Scott M. Harvey, "Illustrating Loss Residual Allocation Rules," Draft, Midwest ISO, March 28, 2003.

Scott M. Harvey, "Controllable Lines" Concept of Operation, New York Independent System Operator, January 8, 2003.

Scott M. Harvey, "Transmission Losses Pricing Examples," MISO Congestion Management System, January 3, 2003.

Scott M. Harvey and William W. Hogan, "Market Power and Market Simulations," July 16, 2002.

Scott M. Harvey and William W. Hogan, "Loss Hedging Financial Transmission Rights," January 15, 2002.

Scott M. Harvey and William W. Hogan, "Identifying the Exercise of Market Power in California," December 28, 2001.

Scott M. Harvey and William W. Hogan, "Further Analysis of the Exercise of Market Power in the California Electricity Market," November 21, 2001.

Scott Harvey and Susan L. Pope, "MSWG Expansion TCC Approach, Revised," NYISO Market Structures Working Group, November 15, 2001.

Scott Harvey and Susan L. Pope, "TCC Awards for Transmission Expansion: Identification of Unresolved Issues in the Proposed MSWG Award Process," NYISO Market Structures Working Group, November 15, 2001.

Scott M. Harvey, "Notes on Locational Market Power Mitigation," November 7, 2001 (for Midwest ISO).

Andrew P. Hartshorn and Scott M. Harvey, "Assessing the Short-Run Benefits from a Combined Northeast Market," October 23, 2001.

Scott M. Harvey and Susan Pope, "Pre-Scheduling: Forward Ramp and Transmission Reservations, Concept of Operation," August 8, 2001 (for NYISO).

Scott M. Harvey, Susan L. Pope, John P. Buechler and Robert M. Thompson, "Feasibility Study for a Combined Day-Ahead Market in the Northeast," May 4, 2001 (Draft Reports January 19,

2001 and April 20, 2001).

Scott M. Harvey and William W. Hogan, "On the Exercise of Market Power Through Strategic Withholding in California," April 24, 2001.

Scott M. Harvey, "Uplift Allocation," April 10, 2001 (for NYISO).

Scott M. Harvey and Andrew P. Hartshorn, "Inter-Regional Transaction Scheduling by the New York ISO," January 18, 2001.

Scott M. Harvey, John D. Chandley and William W. Hogan, "Electricity Market Reform in California," November 22, 2000.

Scott M. Harvey, "Real-Time Dispatch Alternatives," November 20, 2000 (for Midwest ISO).

Scott M. Harvey, "Forward Schedules and Real-time Settlements," November 20, 2000 (for Midwest ISO).

Scott M. Harvey and William W. Hogan, "Issues in the Analysis of Market Power in California," October 27, 2000.

Scott M. Harvey and William W. Hogan, "California Electricity Prices and Forward Market Hedging," October 17, 2000.

John D. Chandley, Scott M. Harvey and William W. Hogan, "Congestion Management in California," August 31, 2000.

Scott M. Harvey and William W. Hogan, "Comments on the Congestion Management Proposals of the California ISO," August 31, 2000.

Scott M. Harvey, "Locational Reserve Constraints," NEPOOL Joint CMS/MSS Working Group, October 14, 1999.

Scott M. Harvey, William W. Hogan, Susan L. Pope, Andrew P. Hartshorn and Kurt Zala, "Preliminary Report - Phase IV Market Trials," October 8, 1999.

Michael D. Cadwalader, Scott M. Harvey, William W. Hogan and Susan L. Pope, "Coordinating Congestion Relief Across Multiple Regions," October 7, 1999.

Scott M. Harvey, William W. Hogan, Susan L. Pope, Andrew P. Hartshorn and Kurt Zala, "Report on Phase III Market Trials," September 17, 1999.

Michael D. Cadwalader, Scott M. Harvey, William W. Hogan and Susan L. Pope, "Market Coordination of Transmission Loading Relief Across Multiple Regions," November 18, 1998.

Michael D. Cadwalader, Scott M. Harvey, William W. Hogan and Susan L. Pope, "Reliability, Scheduling Markets and Electricity Pricing," May 1998.

Scott M. Harvey, William W. Hogan and Susan L. Pope, "Transmission Capacity Reservations Implemented Through a Spot Market with Transmission Congestion Contracts," July 9, 1996 (revised versions, various dates).

Scott M. Harvey, William W. Hogan and Susan L. Pope, "Transmission Capacity Reservations and Transmission Congestion Contracts," June 1996 (revised versions, various dates).

CONFERENCE AND OTHER PUBLIC PRESENTATIONS

Scott M. Harvey, "System Market Power Discussion," California ISO Market Surveillance Committee, October 11, 2019.

Scott M. Harvey, "System Market Power Discussion," California ISO Market Surveillance Committee, Folsom, CA, August 19, 2019.

Scott M. Harvey, "Day-Ahead Market Design Options," California ISO Market Surveillance Committee, Folsom, CA, August 19, 2019.

Scott M. Harvey, "Discussion Examples for Sequential and Combined IFM-RUC," California ISO Market Surveillance Committee, Folsom, CA, August 14, 2019.

Scott M. Harvey, "Modeling Issues in FTR Auctions and Settlements," EUCI Financial Transmission Rights, Baltimore, MD, January 30, 2019.

Scott M. Harvey, "Price Convergence in Day-Ahead Markets," EUCI Financial Transmission Rights, Baltimore, MD, January 30, 2019.

Scott M. Harvey, "Review of PJM Mark To Auction FTR Designs," PJM Market Implementation Committee, December 12, 2018.

Scott M. Harvey, "Review of PJM Mark To Auction FTR Designs," PJM Markets and Reliability Committee, December 6, 2018.

Scott M. Harvey, "Offer Price Mitigation in the Western EIM," California ISO Market Surveillance Committee Meeting, Folsom California, August 3, 2018.

Joe Cavicchi, Scott M. Harvey, "Performance of Ramp Capability Dispatch in the California ISO and MISO Electricity Markets," Center for Research in Regulated Industries 31st Annual Western Conference, Monterey California, June 29, 2018.

Scott M. Harvey, "Congestion Rent Shortfalls in the California ISO and Other Electricity Markets," California ISO, Market Surveillance Committee Meeting, June 7, 2018.

Scott Harvey and Paul Sotkiewicz, "Key Considerations in Designing and Transitioning to Electricity Markets," U.S.-China Power Consumption, Demand and Competition Cooperation, Phase I Policy Recommendations and Phase II Launch, prepared for US Department of State, Beijing, China, April 24-25, 2018.

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Scott M. Harvey, “The History of LMP Pricing Development and the Origins of Fixed Block Pricing,” PJM Price Energy Price Formation, Senior Task Force Meeting, Valley Forge, Pennsylvania, March 5, 2018.

Scott M. Harvey, “CRR Prices and Pay Outs: Are CRR Auctions Valuing CRRs as Hedges or as Risky Financial Instruments?,” California ISO, Market Surveillance Committee Meeting, February 2, 2018.

Joe Cavicchi, Scott M. Harvey, and Susan Pope, “ERUC Fundamentals: Design Elements 9-13,” Prepared for Ontario IESO, Toronto, Ontario, November 27, 2017.

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Scott M. Harvey and Susan Pope, “Single Schedule Market Pricing Issues, Phase 2 (Options) – Session 2, Load Pricing and Market Power Mitigation Options,” Prepared for Ontario IESO, Toronto, Ontario, August 17, 2017.

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Scott M. Harvey, “Balancing Intermittent Resource Output in the California ISO and Western EIM,” Western Power Trading Forum, Washington DC, August 11, 2017.

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Scott M. Harvey, “EIM Commitment Cost Issues,” California Market Surveillance Committee, Folsom, CA, July 10, 2017.

Scott M. Harvey and Susan Pope, “Single Schedule Market Pricing Issues, Phase I – Session 3, Module G: Market Power Mitigation Appendix,” Prepared for Ontario IESO, Toronto, Ontario, June 29, 2017.

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Scott M. Harvey and Susan Pope, "Single Schedule Market Pricing Issues, Phase I – Session 2, Module A: Energy Pricing," Prepared for Ontario IESO, Toronto, Ontario, June 2, 2017.

Scott M. Harvey and Susan Pope, "Single Schedule Market Pricing Issues" Prepared for Ontario IESO, Toronto, Ontario, June 2, 2017.

Scott M. Harvey, "The Load Bias Limiter, Price Formation, and the Need for Flexible Capacity," California Market Surveillance Committee, Folsom, CA, May 5, 2017.

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Scott M. Harvey, "CRR Prices and Pay Outs; Are CRR Auctions Valuing CRRs as Hedges or as Risky Financial Instruments?," California ISO Market Surveillance Committee, Folsom, CA, February 3, 2017.

Scott M. Harvey, "California ISO and MISO Experiences and Prospective Operational Challenges for the New York ISO," Prepared for New York ISO Environmental Advisory Council, Albany, NY, November 4, 2016

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Scott M. Harvey and Susan Pope, "G-J Impact Analysis," Prepared for New York ISO, Albany, NY, January 14, 2016.

Scott M. Harvey, "Financial Trading in Electricity Markets," Energy Bar Association, 2015 Mid-Year Meeting. Washington DC, November 18, 2015.

Scott M. Harvey, "Capacity Market Investment Signals," EUCI Capacity Markets Conference, Cambridge, MA, September 1, 2015.

Scott M. Harvey, "Fundamentals of Capacity Market Design and Performance," EUCI Capacity Markets Conference, Cambridge, MA, August 31, 2015.

Scott M. Harvey, "Virtual Bidding in Forward Power Markets," Western Power Issues Roundtable, Western Power Trading Forum, Washington DC, August 7, 2015.

Scott M. Harvey, "Flexible Ramping Product Bidding Rules," California Market Surveillance Committee, Folsom, California, July 15, 2015.

Scott M. Harvey, "Demand Response, Market Manipulation and Order 745," Rutgers Center for Research in Regulated Industries, 28th Annual Western Conference, June 25, 2015.

Scott M. Harvey, "Significant Developments in Ancillary Service Markets," EUCI Ancillary Services Markets Conference, Las Vegas, Nevada, June 18, 2015.

Scott M. Harvey, "Critical Elements of Ancillary Services Market Design," EUCI Ancillary Services Markets Conference, Las Vegas, Nevada, June 18, 2015.

Scott M. Harvey, "Review of MISO Markets Winter Performance," MISO Market Summit 2015, May 28, 2015.

Scott M. Harvey, "Review of EIM Operation," Infocast: California Energy Summit, San Francisco, CA, May 11, 2015.

Scott M. Harvey, "Discussion on Energy Imbalance Market Pricing: Ramp Constraints and Load Balance Penalties in Electricity Markets," Market Surveillance Committee Meeting, April 17, 2015.

Scott M. Harvey, "Flexible Ramping Product Settlement Examples," California Market Surveillance Committee, December 16, 2014.

Scott M. Harvey, "Capacity Market Reforms: What are the Problems We Are Trying to Address?" Northeast Energy and Commerce Association, Power Markets Conference 2014, October 30, 2014.

Scott M. Harvey, "Sources of Congestion Rent Shortfalls in the Day-Ahead Market," California Market Surveillance Committee, October 15, 2014.

Scott M. Harvey, "Background on FTR Development," PJM FTR/ARR Senior Task Force Meeting, August 27, 2014.

Scott M. Harvey, "Commitment Cost Issues," California Market Surveillance Committee, August 22, 2014.

Scott M. Harvey, "Fifteen Minute Market Discussion," California Market Surveillance Committee, August 22, 2014.

Scott M. Harvey, "Demand Side Ancillary Service Markets," EUCI: Ancillary Service Markets, Philadelphia, PA, June 25, 2014.

Scott M. Harvey, "New Developments in Ancillary Service Markets," EUCI: Ancillary Service Markets, Philadelphia, PA, June 25, 2014.

Scott M. Harvey, "Critical Elements of Ancillary Services Market Design," EUCI Ancillary Services Markets Conference, Philadelphia, PA, June 24, 2014.

Scott M. Harvey, "Is the California ISO Becoming an Uplift Market? Pricing, Uplift and Commitment," California Market Surveillance Committee, May 19, 2014.

Scott M. Harvey, "Gas Prices and Offer Price Flexibility in other ISO/RTO Markets," California Market Surveillance Committee, May 19, 2014.

Scott M. Harvey, "Pricing and Price Signals: What is the problem we are trying to solve?" California ISO Pricing Forum, April 22, 2014

Scott M. Harvey, "ISO New England PI Capacity Market Proposal," California Market Surveillance Committee, March 11, 2014.

Scott M. Harvey, "Order 764: Market Design, Flexiramp and Ancillary Services," California Market Surveillance Committee, March 11, 2014.

Scott M. Harvey, "Evolving Away from an Energy-Only Market, or Evolving the Energy-Only Market," ERCOT Market Summit, February 24, 2014.

Scott M. Harvey, "Full Network Model Development," California Market Surveillance Committee, January 16, 2014.

Scott M. Harvey, "Full Network Model: Scheduling and Pricing," California Market Surveillance Committee, November 15, 2013.

Scott M. Harvey and Joe Cavicchi, "Capacity Market Performance Incentives," EUCI Capacity Markets Conference, November 7, 2013.

Scott M. Harvey and Joe Cavicchi, "Forward Capacity Auctions: Financial, Physical or Both," EUCI Capacity Markets Performance, November 7, 2013.

Scott M. Harvey and Joe Cavicchi, "Fundamentals of Capacity Market Design and Performance," EUCI Capacity Markets Performance, November 6, 2013.

Scott M. Harvey, "Electric Industry Fundamentals," EUCI, September 23-24, 2013.

Scott M. Harvey, "Pricing Interchange with a Full Network Model," California ISO Market Surveillance Committee, September 6, 2013, Folsom, California.

Scott M. Harvey, "EIM Design Issues," California ISO Market Surveillance Committee meeting, July 2, 2013, Folsom California.

Scott M. Harvey, "Discussion of Contingency Reserves," California ISO Market Surveillance Committee meeting, July 2, 2013, Folsom California.

Scott M. Harvey, "Ramp Capability Dispatch and the Integration of Renewable Resources," June 20, 2013, Rutgers Center for Research in Regulated Industries, 26th Annual Western Conference.

Scott M. Harvey, "Order 755: How is Pay for Performance Performing," EUCI Ancillary Services Conference, Dallas Texas, June 12, 2013.

Scott M. Harvey, "Critical Elements of Ancillary Services Market Design, EUCI Ancillary Services Conference, Dallas Texas, June 11, 2013.

Scott M. Harvey, "Review of the Efficiency of the Hourly Ontario Energy Price," Toronto, May 9, 2013.

Scott M. Harvey, "Flexi Ramp Product Design Issues", California ISO Market Surveillance Committee Meeting, October 19, 2012

Scott M. Harvey and Joe Cavicchi, "Fundamentals of Capacity Market Design and Performance," EUCI Capacity Markets Conference, October 4, 2012.

Scott M. Harvey, "Resource Adequacy Alternatives and Their Consequences," Gulf Coast Power Association Fall Conference, October 3, 2012.

Scott M. Harvey, "Electric Industry Fundamentals," EUCI, October 1-2, 2012.

Scott M. Harvey, William H. Hogan, and Susan L. Pope, "Evaluation of the New York ISO Capacity Market: Summary of Draft Report," New York ISO ICAP Working Group, September 11, 2012.

Scott M. Harvey, "Order 745 Compliance Filing: The Dynamic Net Benefits Test," Joint Price-Responsive Load and Market Issues Working Group Meeting, New York ISO, September 6, 2012.

Scott M. Harvey, "Bilateral Contracting in a Western Energy Imbalance Market," EUCI: Energy Imbalance Market Concepts in the Western Interconnection, August 21, 2012.

Scott M. Harvey, William H. Hogan, and Susan L. Pope, "Preliminary Evaluation of the New York ISO Capacity Market," New York ISO ICAP Working Group, July 31, 2012.

Scott M. Harvey, "Analyzing the Impact of Monthly FTR Auctions on Shortfalls and Hedging," MISO FTR Working Group, July 11, 2012.

Scott M. Harvey, "Reserve Shortage Pricing and Capacity Markets," EUCI Ancillary Services Markets and Operations Conference, June 13, 2012.

Scott M. Harvey, "Overview of Ancillary Service Market Issues and Initiatives," EUCI Capacity Markets Conference, June 12, 2012.

Scott M. Harvey, "Critical Elements of Ancillary Services Market Design," EUCI Ancillary Services Conference, June 12, 2012.

- Scott M. Harvey, "ERCOT Market Design, Capacity Markets, and Resource Adequacy," Gulf Coast Power Association Workshop, May 4, 2012.
- Scott M. Harvey, "Intertie Pricing Issues," MSC Meeting, March 30, 2012.
- Scott M. Harvey, "Voluntary Auctions for Long Term Capacity Contracts," EUCI Capacity Markets Conference, November 9, 2011.
- Scott M. Harvey, "Capacity Contracting and the Role of the States," EUCI Capacity Markets Conference, November 9, 2011.
- Scott M. Harvey and A. Joseph Cavicchi, "Fundamentals of Capacity Market Design and Performance," EUCI Capacity Markets Conference, November 7, 2011.
- Scott M. Harvey, "Alternative Approaches to Allocating MVP FTRs," Midwest ISO FTR Working Group, August 3, 2011.
- Scott M. Harvey, "Analyzing the Impact of Monthly FTR Auctions on Shortfalls and Hedging," MISO FTR Working Group, August 3, 2011.
- Scott M. Harvey, "Addressing Congestion Rent Shortfalls," EUCI Financial Transmission Rights Conference, July 26, 2011.
- Scott M. Harvey, "Critical Elements of Ancillary Services Market Design," EUCI Ancillary Services Conference, June 15, 2011.
- Scott M. Harvey, "Adapting Ancillary Service Markets, Products, and Scheduling to Accommodate Intermittent Generation," EUCI Ancillary Services and Markets Conference, June 13-14, 2011.
- Scott M. Harvey, "Evolving Role of Market Monitors in the Electricity Industry," Harvard Politic Policy Group, June 2, 2011.
- Scott M. Harvey, "Local Market Power Mitigation Enhancements," MSC Meeting, April 29, 2011.
- Scott M. Harvey, "Valuing Intermittent and Energy-Limited Resources in Capacity Markets," EUCI Capacity Resources Conference, October 28, 2010.
- Scott M. Harvey, "Emerging Issues in Forward Capacity Markets," EUCI Capacity Resources Conference, October 27, 2010.
- Scott M. Harvey, "Overview of the Role of Demand Response in Canadian Electricity Markets," EUCI Demand Response Canada Conference, October 4, 2010.
- Scott M. Harvey, "FTRs: Valuation and Hedging," EUCI Financial Transmission Rights Conference, July 20, 2010.
- Scott M. Harvey and Susan Pope, "Funding Uneconomic Transmission Investments: Wind Energy in the Midwest ISO," Rutgers Advanced Workshop in Regulation and Competition, June 25, 2010.
- Scott M. Harvey and Cleve Tyler, "Critical Elements of Ancillary Services Market Design," EUCI Ancillary Services Conference, June 16-17, 2010.
- Scott M. Harvey, "Evaluating Barriers to Demand Response Participation in Ancillary Services Markets," EUCI Ancillary Services Conference, June 17, 2010.
- Scott M. Harvey and Susan Pope, "Comments on MVP Transmission Cost Allocation Design,"

Prepared for Midwest ISO, June 10, 2010.

Scott M. Harvey and Susan Pope, "Final Report on Midwest ISO Injection/Withdrawal Transmission Cost Allocation Design," March 10, 2010, Prepared for Midwest ISO RECB meeting March 11, 2010.

Mark Rothleder and Scott Harvey, "Integrated Balancing Authority Area," FERC Technical Conference, Docket ER08-1113, August 20, 2009.

Scott M. Harvey and Jenny Hou, "FTRs 101," EUCI Financial Transmission Rights Conference, July 28-29, 2009

Scott M. Harvey, "Addressing Congestion Rent Shortfalls," EUCI Financial Transmission Rights Conference, July 28-29, 2009

Scott M. Harvey, "Credit Coverage for Financial Transmission Rights," EUCI Unsecured Credit Conference, April 29, 2009.

Scott M. Harvey, "Analysis Track Testing of CAISO MRTU Pricing and Dispatch: Final Results," Prepared for the California ISO Board of Governors Meeting, October 28, 2008.

Scott M. Harvey, "Analysis Track Testing of CAISO MRTU Pricing and Dispatch: Interim Results," Prepared for the California ISO Board of Governor Meeting, July 9, 2008.

Scott M. Harvey, "Analysis Track Testing of CAISO MRTU Pricing and Dispatch: Interim Results," Prepared for the California ISO, July 7, 2008.

Scott M. Harvey, "Proxy Bus Pricing Mechanisms and the CAISO's Proposed Pricing System for Integrated Balancing Area Authorities," Prepared for the California ISO Board of Governor Meeting, May 21, 2008.

Scott M. Harvey, "Analysis Track Testing of CAISO MRTU Pricing and Dispatch, Preliminary Results," Prepared for the California ISO Board of Governor Meeting, May 21, 2008.

Scott M. Harvey, "The Role of Demand in Generation Investment and Portfolio Planning," Presented at Infocast's Energy and Generation Planning Summit, Denver, Colorado, May 14, 2008.

Scott M. Harvey, "Analysis Track Testing of CAISO MRTU Pricing and Dispatch," Prepared for the California ISO, April 22, 2008.

Scott M. Harvey, "Review of Eastern Proxy Bus Mechanisms," Prepared for the California ISO, April 11, 2008.

Scott M. Harvey, "Analysis of Midwest ISO Congestion Rent Shortfalls," prepared for Midwest ISO Market Subcommittee, March 4, 2008.

Scott M. Harvey, "Analysis of the Impact of Coordinated Electricity Markets on Consumer Electricity Charges," Harvard Electricity Policy Group Conference, Los Angeles, California, December 6, 2007.

Scott M. Harvey, "Scarcity Pricing in New York and New England," Prepared for California Independent System Operator, November 1, 2007.

Scott M. Harvey and Cleve Tyler, "Market-Based Pricing for Ancillary Services," EUCI Ancillary Services Conference, Minneapolis, MN, September 11, 2007. Presented at conference by Cliff

Hamal and Cleve Tyler.

Scott M. Harvey, "Reliability, Ancillary Service Markets and Scarcity Pricing," EUCI Ancillary Services Conference, Minneapolis, MN, September 11, 2007. Presented at conference by Cleve Tyler.

Scott M. Harvey, "Analysis of the Impact of Coordinated Electricity Markets on Consumer Electricity Charges," Center for Research in Regulated Industries, Rutgers University, 20th Annual Western Conference, Monterey, CA, June 28, 2007.

Scott M. Harvey, "Credit Policy for Financial Transmission Rights," EUCI, National Perspectives on Financial Transmission Rights, March 20, 2007.

Scott M. Harvey, "Resource Adequacy in the West," Infocast Western Power Supply Forum II, San Francisco, CA, December 5, 2006.

Scott M. Harvey, "The Role of Markets and Market Design in Supporting Reliability," EUCI Transmission Reliability Conference, Arlington, VA, October 18, 2006.

Scott M. Harvey and Arun Sharma, "Market-Based Pricing for Ancillary Services," EUCI Ancillary Services Conference, Atlanta, GA, September 2006.

Scott M. Harvey, "The Role of Ancillary Services Markets in Supporting Resource Adequacy," EUCI Ancillary Services Conference, Atlanta, GA, September 28, 2006.

Scott M. Harvey, "Resource Adequacy Mechanisms: Spot Energy Markets and Their Alternatives," Center for Research in Regulated Industries, 19th Annual Western Conference, Monterey, California, June 28, 2006.

Scott M. Harvey, "Reforming Point-to-Point and Network Service," Infocast OATT Reform Conference, Washington, DC, June 9, 2006.

Scott M. Harvey and Susan L. Pope, "Defining and Implementing Transmission Maintenance Performance Incentives in LMP Markets," Infocast Transmission Summit 2006, March 15, 2006.

Scott M. Harvey and David F. Babbel, "Virtual Trading Risk and NYISO Collateral Policies," NYISO S&P Working Group, January 20, 2006.

Scott M. Harvey, "Federal Electricity Regulation and Alternative Energy: The Good, the Bad and the Ugly," American Bar Association Section of Environment, Energy and Resources Teleconference, December 14, 2005.

Scott M. Harvey, "Transmission Investment and the Obligation to Serve," EUCI: Transmission Investments and Reliability Conference, Brewster, MA, September 26, 2005.

Scott M. Harvey and Susan L. Pope, "CRR Allocation Methodology Examples," California Independent System Operator, August 31, 2005.

Scott M. Harvey, "Final CRR Study 2 Results," California Independent System Operator, August 31, 2005.

Scott M. Harvey and Susan L. Pope, "Expanded CRR Study 2 Results," California Independent System Operator, August 18, 2005.

Scott M. Harvey and Susan L. Pope, "CRR Allocation Rules: Discussion of Eligible LSE CRR Sources," California Independent System Operator, July 14, 2005.

Scott M. Harvey and Susan L. Pope, "CRR Study 2 Metrics and CRR Allocation by Eastern and Midwestern ISOs," California Independent System Operator, June 21, 2005.

Scott M. Harvey, "Mergers and Market Power in the Electric Power Industry," International Industrial Organization Conference, Industrial Organization Society, Atlanta, Georgia, April 9, 2005.

Scott M. Harvey, "RTO Performance, Governance and Independence," EUCI: The Organization and Governance of the Market Agent, Washington, DC, March 30-31, 2005.

Scott M. Harvey, Susan L. Pope and William W. Hogan, "Comments on ISO MRTU LMP Market Design," California Independent System Operator, March 2, 2005.

Scott M. Harvey and Dmitri Perekhodtsev, "Market-Based Pricing for Ancillary Services," EUCI Ancillary Services Conference, Denver, CO, January 21, 2005.

Scott M. Harvey, "Competitive Ancillary Services Markets: Lessons Learned," EUCI Ancillary Services Conference, Denver, CO, January 20, 2005.

Scott M. Harvey, "Hedging Pseudo Tie Transmission Usage," Midwest Market Initiative, Market Subcommittee, November 2, 2004.

Scott M. Harvey and Matthew D. Kunkle, "Market-Based Pricing for Ancillary Services," EUCI Ancillary Services Conference, Cambridge, MA, March 19, 2004.

Scott M. Harvey, "Competitive Ancillary Services Markets: Lessons Learned," EUCI Ancillary Services Conference, Cambridge, MA, March 17, 2004.

Scott M. Harvey, "Coordinating Dispatch Between Regions," Infocast: Transmission Summit 2004, Washington, D.C., January 29, 2004.

Scott M. Harvey, William W. Hogan and Todd Schatzki, "A Hazard Rate Analysis of Mirant's Generating Plant Outages in California," Competition and Coordination in the Electric Industry, Conference, Institute for Industrial Economics/Centre for Economic Policy Research, Toulouse, France, January 16-17, 2004.

Scott M. Harvey, "Consumer Impact of LMP Pricing," Midwest ISO, Minneapolis, Minnesota, October 20, 2003.

Scott M. Harvey, "The Virtues of Virtual RTOs," Harvard Electricity Policy Group, September 26, 2003.

Scott M. Harvey, "Electricity Market Dynamics in the Northeast," Northeast Gas Association, Gas & Power in the Northeast Conference, Westborough, MA, September 25, 2003.

William Barber, Robert Thompson and Scott Harvey, "Virtual Regional Dispatch – Adding Real-time Cross Border Financial Rights to the Proposed Design," ISO-NE Markets Committee, NYISO Market Structures Working Group, September 11, 2003.

Scott M. Harvey and Richard Doying, "Hedging with Financial Transmission Rights," MISO TRTF, August 21, 2003.

Scott M. Harvey, "Scarce Pipeline Capacity and High Prices: Will FERC Put the Lights Out in the Northeast?," Infocast: Northeast Gas Storage and Supply Strategies 2003 Conference, June 17, 2003.

Scott M. Harvey, "State of Northeast Power Markets," Connecticut Power and Energy Society, Northeast Energy and Commerce Association, 10th Annual New England Energy Conference, Mystic, Connecticut, June 3, 2003.

Scott M. Harvey, "Proxy Buses and Seams," Joint Meeting of ISO-NE Markets Committee and NYISO Market Structures Working Group, May 29, 2003.

Scott M. Harvey, "RMR Issues Under LMP," Midwest Market Initiative (MISO), March 20, 2003.

Scott M. Harvey, "Inter-ISO Dispatch Proposal," NEPOOL Markets Committee, February 11, 2003.

Scott M. Harvey and Matthew D. Kunkle, "LMP and Financial Transmission Rights," EUCI Transmission Pricing Conference, Denver CO, January 24, 2003.

Scott M. Harvey, "LMP in the West," EUCI Transmission Pricing Conference, Denver CO, January 22-23, 2003.

Scott M. Harvey and William W. Hogan, "Mitigating Locational Market Power," PJM Local Market Power Mitigation Working Group, Wilmington, Delaware, January 21, 2003.

Scott M. Harvey, "Inter-ISO Dispatch Proposal," NYISO Market Structures Working Group, January 14, 2003.

Scott M Harvey, "Day-Ahead Markets, Unit Commitment and Congestion," Infocast: Standard Market Design Conference, Washington, D.C., December 5, 2002.

Scott M Harvey, "Issues in LMP Implementation," Infocast: Standard Market Design Conference, Washington, D.C., December 5, 2002.

Scott M. Harvey, "Transmission Losses Pricing," MISO Congestion Management System, Carmel, IN, November 21, 2002.

Scott M. Harvey, "Ancillary Service Markets under SMD," CBI Standard Market Design Conference, Arlington, VA, November 19, 2002.

Scott M. Harvey, "Can LMP Work Outside the Northeast?," CBI Standard Market Design Conference, Arlington, VA, November 18, 2002.

Scott M. Harvey, "Consumer Friendly Markets: What Should Consumers Really Want?," Elcon: Coping with Uncertainty and Volatility Conference, Washington, D.C., October 10, 2002.

Scott M. Harvey and Cliff W. Hamal, "Market-Based Pricing of Ancillary Services: Market Design Choices, Consequences and Performance," EUCI Ancillary Services Conference, Atlanta, GA, September 27, 2002.

Scott M. Harvey, "Ancillary Services, Shortages and Market Power," EUCI Ancillary Services Conference, Atlanta, GA, September 27, 2002.

Scott M. Harvey, "Open Access, LMP and Retail Sales," NARUC Summer Meeting, Portland, OR, July 29, 2002.

Scott M. Harvey, "Prices, Market Power and Market Structure," Infocast: Standard Market Design Conference, Chicago, IL, June 18, 2002.

Scott M. Harvey, "RTOs and Standard Market Design," Restructuring Transmission Operations, Center for Business Intelligence, Alexandria, VA, April 22, 2002.

Scott M. Harvey, "Standard Market Design for Ancillary Services," EUCI Ancillary Services Conference, Denver, CO, April 10, 2002.

Scott M. Harvey, "Congestion Management Workshop," MISO Congestion Management System, Dallas, Texas, March 14, 2002.

Scott M. Harvey, "Congestion Management Workshop," MISO Congestion Management System, Minneapolis, Minnesota, February 15, 2002.

Scott M. Harvey, "TCC Expansion Awards for Controllable Devices: Initial Discussion," NYISO Market Structures Working Group, February 12, 2002.

Scott M. Harvey, "Incentive Systems for Transmission Owner Maintenance Activities," MISO Congestion Management System, Carmel, IN, January 31, 2002.

Scott M. Harvey, "Multiple Element Constraints," MISO Congestion Management System, Carmel, IN, January 31, 2002.

Scott M. Harvey and Susan L. Pope, "Financial Transmission Rights in MISO: Allocation Issues and Process," MISO Congestion Management System, Transmission Rights Allocation Task Force, January 30, 2002.

Scott M. Harvey, "FERC Standard Design and the MISO Straw Proposal," MISO Congestion Management System, January 17, 2002.

Scott M. Harvey, "Losses Pricing," MISO Congestion Management System, January 17, 2002.

Susan L. Pope and Scott M. Harvey, "LMP and Financial Rights Basics," MISO Transmission Rights Task Force, Carmel, IN, January 10, 2002.

Susan L. Pope and Scott M. Harvey, "Financial Transmission Rights in MISO – Overview of Allocation Process and Issues," MISO Transmission Rights Task Force, Carmel, IN, January 10, 2002.

Scott M. Harvey, "Financial Transmission Right Obligation and Option Auctions," MISO Congestion Management System, Carmel, IN, November 29, 2001.

Scott M. Harvey, "Transmission Reservations for Regulation," MISO Congestion Management System, Carmel, IN, November 28, 2001.

Scott M. Harvey and Susan L. Pope, "TCC Expansion Awards for Controllable Devices: Initial Discussion," NYISO Market Structures Working Group, November 16, 2001.

Scott M. Harvey and Susan L. Pope, "MSWG Expansion TCC Award Process, Task 1: Resolution of Ambiguities," NYISO Market Structures Working Group, November 16, 2001.

Scott M. Harvey, "Standard Market Design for RTOs," Infocast: FERC RTO Initiative Conference, Washington, DC, November 13, 2001.

Scott M. Harvey, "Trading Hub Concepts," MISO Congestion Management System, Carmel, IN, November 1, 2001.

Scott M. Harvey, "Reserve Market Issues in the Northeast," EUCI Ancillary Services Conference, Denver, CO, October 31, 2001.

Scott M. Harvey, "Ancillary Services: What Works, What Doesn't, New Issues," EUCI Ancillary Services Conference, Denver, CO, October 31, 2001.

- Scott M. Harvey, "Electricity Market Lessons: What Works and What Does Not," EUCI Electric Power Market Performance Conference, Denver, CO, September 21, 2001.
- Scott M. Harvey, "Creating Market-Driven Incentives for Transmission Expansion," EUCI Electric Power Market Performance Conference, Denver, CO, September 21, 2001.
- Scott M. Harvey, "Generation Interconnection and Transmission Expansion," MISO Congestion Management System, Carmel, IN, September 20, 2001.
- Scott M. Harvey, "Day-Ahead Scheduling Process," MISO Congestion Management System, Carmel, IN, September 6, 2001 (revised).
- Scott M. Harvey, "Embedded Cost Recovery and Transmission Right Allocation," MISO Congestion Management System, Carmel, IN, September 6, 2001 (revised).
- Scott M. Harvey, "Two-Settlement Systems in PJM and New York," MISO Congestion Management System, Carmel, IN, August 2, 2001.
- Scott M. Harvey, "The Role of Local Control Areas and MISO II," MISO Congestion Management System, Carmel, IN, August 2, 2001.
- Scott M. Harvey, "The Role of Local Control Areas and MISO," MISO Congestion Management System, Carmel, IN, July 19, 2001.
- Scott M. Harvey, "FTR Auction Basics," MISO Congestion Management System, Carmel, IN, July 12, 2001.
- Scott M. Harvey, "Review of Flowgate Design Choices III," MISO Congestion Management System, Carmel, IN, July 12, 2001.
- Michael D. Cadwalader and Scott M. Harvey, "Review of Flowgate Design Choices II," MISO Congestion Management System, Carmel, IN, June 21, 2001.
- Scott M. Harvey, "Real-Time Pricing and Dispatch," MISO Congestion Management System, Carmel, IN, June 21, 2001.
- Scott M. Harvey, "FTR Basics," MISO Congestion Management System, Carmel, IN, June 21, 2001.
- Michael D. Cadwalader and Scott M. Harvey, "Review of Flowgate Design Choices," MISO Congestion Management System, Carmel, IN, June 14, 2001.
- Scott M. Harvey, "LMP Basics," MISO Congestion Management System, Carmel, IN, June 14, 2001.
- Scott M. Harvey, "Pre-Scheduling of External Transactions in New York," NYISO Market Structures Working Group Meeting, April 6, 2001.
- Scott M. Harvey, "Lessons from Competitive Ancillary Service Markets," EUCI Ancillary Services Conference, Denver, CO, April 4, 2001.
- Scott M. Harvey, "Feasibility Study for a Regional Day-Ahead Electricity Market in the Northeast," NERC ESC/OSC Meeting, San Antonio, TX, March 14, 2001.
- Scott M. Harvey and Herb Yan, "Congestion Management Basics," EUCI Congestion Management Conference, Denver, CO, February 7, 2001 (talk given by John D. Chandley).
- Scott M. Harvey, "Detecting the Exercise of Market Power," Infocast: Price Spikes, Caps and

Market Power Conference, Washington, DC, January 26, 2001.

Scott M. Harvey, "Fundamentals of Market Power Definition, Detection and Mitigation," Infocast: Price Spikes, Caps and Market Power Conference, Washington, DC, January 24, 2001.

Scott M. Harvey, "NYISO Transaction Scheduling," FERC Technical Conference, Washington, DC, January 21, 2001.

Scott M. Harvey, "NYISO Price Corrections Process," FERC Technical Conference, Washington, DC, January 21, 2001.

Scott M. Harvey, "Real-Time Dispatch Procedures," Midwest ISO, Congestion Management Working Group, Indianapolis, IN, November 14, 2000.

Scott M. Harvey, "RTO Formation: Lessons from Experience to Date," EEI, RTO Filings Conference, Washington, DC, November 3, 2000.

Scott M. Harvey, "Flowgate Rights and Congestion Management," EEI, RTOs and Market Design Conference, Washington, DC, September 28, 2000.

Scott M. Harvey and Andrew P. Hartshorn, "Market Based Pricing for Ancillary Services: Market Design Choices, Consequences and Outcomes," EUCI Ancillary Services Conference, Denver, CO, September 15, 2000.

Scott M. Harvey, "Ancillary Service Prices in Open Access Markets During the Summer of 2000," EUCI Ancillary Services Conference, Denver CO, September 14, 2000.

Scott M. Harvey, William W. Hogan and John D. Chandley, "A Reform Proposal and A Review of the CAISO Staff Proposals," California Congestion Management, Folsom, CA, September 6, 2000.

Scott M. Harvey, "Lessons in Congestion Management, What Works and What Doesn't," EUC Congestion Management Conference, Denver, CO, June 22-23, 2000.

Scott M. Harvey, "Market Based Congestion Management," EUC Congestion Management Conference, Denver, CO, June 22-23, 2000.

Scott M. Harvey, "Locational Reserve Examples," New York Reserve Working Group, May 15, 2000.

William W. Hogan, John D. Chandley, Scott M. Harvey and the California Reform Coalition, "Reform of the California Electricity Market: A Path Forward," March 30, 2000.

Scott M. Harvey, "Fundamentals of Congestion Pricing," California Reform Coalition, March 28, 2000.

Scott M. Harvey, "Lessons to Date from Financial Rights Auctions in New York and PJM," Infocast's Auctioning and Using Financial Transmission Rights Conference, Philadelphia, PA, February 24, 2000.

Scott M. Harvey, "Overview of the Structure of Financial Rights Auctions in PJM, NY, and NEPOOL," Infocast's Auctioning and Using Financial Transmission Rights Conference, Philadelphia, PA, February 24, 2000.

Scott M. Harvey, "Comparing the Rules and Regulations for Financial Rights in PJM, NY, NEPOOL and California," Infocast's Auctioning and Using Financial Transmission Rights

Conference, Philadelphia, PA, February 24, 2000.

Scott M. Harvey, "Transmission Access and Risk," Infocast's Portfolio Analysis and Management Conference, Houston, TX, February 17, 2000.

Scott M. Harvey, "Market Structure and Portfolio Risk," Infocast's Portfolio Risk Analysis and Management Conference, Houston, TX, February 17, 2000.

Scott M. Harvey, "Market Based Pricing for Ancillary Services," EUCI Conference, Denver, CO, February 4, 2000.

Scott M. Harvey, "Ancillary Service Markets in the Northeast," EUCI Conference, Denver, CO, February 3, 2000.

Scott M. Harvey, "Illustrative Causes for Price Corrections," New York Independent System Operator, January 28, 2000.

Scott M. Harvey and William W. Hogan, "Imperfect Pricing for Imperfect Markets," Harvard-Japan Project on Energy and the Environment, Tokyo, Japan, January 2000.

Scott M. Harvey, "Validation of SCUC and SCD Prices," NY TIE Group Meeting, December 15, 1999.

Scott M. Harvey, "The RTO NOPR and Congestion Management," Infocast's Update on FERC's RTO Initiative Conference, Washington, DC, November 4, 1999.

Scott M. Harvey and Andrew P. Hartshorn, "Transmission Congestion and Ancillary Services," Infocast Conference – Ancillary Services in Competitive Markets, San Francisco, CA, October 22, 1999.

Scott M. Harvey, "Ancillary Services in New England and New York," Infocast's Ancillary Services in Competitive Markets Conference, San Francisco, CA, October 20-22, 1999.

Scott M. Harvey, "Electricity Deregulation," Federal Reserve Bank of New York, Buffalo Branch, Understanding Our Electricity Cost and the Impact of Deregulation Conference, Canisius College, Buffalo, NY, October 20, 1999.

Scott M. Harvey, "Reserve Scheduling Proposal," NEPOOL Joint CMS/MSS Working Group, October 13, 1999.

Scott M. Harvey, William W. Hogan, Susan L. Pope, Andrew P. Hartshorn and Kurt Zala, "Review of Phase IV Market Trials," Prepared for New York ISO – Market Participants Meeting, October 11, 1999.

Scott M. Harvey, "Overview of Proposed NEPOOL Congestion Management System," NEPOOL Joint CMS/MSS Group, September 30, 1999.

Scott M. Harvey, "Distributed Generation: Market Rules and Market Penetration," Electric Utility Consultants – Distributed Generation Conference, Denver, CO, September 22, 1999.

Scott M. Harvey, William W. Hogan, Susan L. Pope, Andrew P. Hartshorn and Kurt Zala, "Review of Phase III Market Trials," Prepared for New York ISO – Market Participants Meeting, September 21, 1999.

Scott M. Harvey, "Production Cost Models and the Forward Price Curve," Electric Utility Consultants Electricity Market Pricing Conference, Vail, CO, August 9, 1999.

Scott M. Harvey, "Transmission Pricing in the New World," Workshop, Electric Utility Consultants Deregulation Progress Report: Issues and Insights Conference, Vail, CO, August 6, 1999.

Scott M. Harvey, "How are Installed Capacity Markets Working, and Where are they Going?," Electric Utility Consultants Deregulation Progress Report Conference, Vail, CO, August 5, 1999.

Scott M. Harvey, Susan L. Pope and Andrew P. Hartshorn, "Allocation of Financial Transmission Rights in California, New York and PJM," NEPOOL Joint CMS/MSS Group, August 4, 1999.

Scott M. Harvey, Andrew P. Hartshorn and Mark Rossi, "Four-Hour Option Market," NEPOOL Joint CMS/MSS Group, August 4, 1999.

Scott M. Harvey and Andrew P. Hartshorn, "Comparison of Unit Commitment Processes in Other Markets," NEPOOL Joint CMS/MSS Group, August 4, 1999.

Scott M. Harvey, Susan L. Pope and Andrew P. Hartshorn, "Nodal-Zonal Pricing Part II – Zonal FCRs," NEPOOL Joint CMS/MSS Group, August 4, 1999.

Scott M. Harvey and Andrew P. Hartshorn, "Alternative Treatments of Minimum Run Time Constraints," NEPOOL Joint CMS/MSS Group, August 4, 1999.

Scott M. Harvey and Susan L. Pope, "A Nodal-Zonal Pricing System," NEPOOL Joint CMS/MSS Group, July 19, 1999.

Scott M. Harvey, "Summary of FCR Auction Issues," NEPOOL Joint CMS/MSS Group, July 19, 1999.

Scott M. Harvey, "Market Power Mitigation, Transmission Constraints and Congestion Pricing," Infocast – Impact of Market Power on Competitive Energy Markets Conference, Washington, DC, July 15, 1999.

Scott M. Harvey and Andrew P. Hartshorn, "Four-Hour Option Market," NEPOOL Joint CMS/MSS Group, July 14, 1999.

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