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Edward Kee



Mr. Kee is the CEO, Founder, and Principal Consultant at Nuclear Economics Consulting Group (NECG) and is an expert on nuclear power economics.¹

Mr. Kee provides strategic and economic advice to companies and governments on nuclear power and electricity industry issues. He has testified as an expert witness in U.S. and international legal and arbitration cases.

The International Atomic Energy Agency (IAEA), the International Framework for Nuclear Energy Cooperation (IFNEC), and the U.S. Civil Nuclear Trade Advisory Committee (CINTAC) have recognized Mr. Kee as a nuclear power industry expert.

Before starting NECG, Mr. Kee held senior consulting positions at NERA Economic Consulting, CRA International, PA Consulting Group, Putnam, Hayes & Bartlett, and McKinsey & Company. He was a merchant power plant developer and a nuclear power plant engineer (qualified as chief engineering officer on Nimitz-class nuclear aircraft carriers) before becoming a consultant.

Mr. Kee's articles on nuclear power and the electricity industry appear in *World Nuclear News*, *Wall Street Journal Europe*, *Nuclear Engineering International*, *ANS Nuclear News*, *Nuclear Power International*, *Bulletin of the Atomic Scientists*, *The Electricity Journal*, *Public Utilities Fortnightly*, *Energy Law Journal*, *Atlantic Council EnergySource*, *Power Economics*, and other publications.

Mr. Kee holds an MBA from Harvard University and a BS in Systems Engineering (Distinction; Trident Scholar; Colt's Award) from the U.S. Naval Academy.

¹ Edward Kee's NECG bio page is <https://nuclear-economics.com/edward-kee/>

Education

Harvard University

MBA, focus on finance, 1985

U.S. Naval Academy

BS, Systems Engineering, 1978 (Distinction; Trident Scholar; Colt's Award)

Professional Experience

Nuclear Economics Consulting Group (NECG)

2014-present CEO & Principal Consultant

NERA Economic Consulting

2014-2019 Affiliated Expert

2009-2014 Vice President

CRA International

2006-2009 Vice President

PA Consulting Group

2001-2006 Member of Management Group

PHB Hagler Bailly

1998-2000 Senior Vice President & Managing Director of a subsidiary in Australia

Putnam, Hayes & Bartlett

1996-1998 Vice President & Managing Director of a subsidiary in Australia

1993-1996 Vice President

Charles River Associates

1990-1993 Senior Consultant

McKinsey & Co.

1987-1989 Associate

Catalyst Energy Corporation

1985-1987 Development Principal & CEO of merchant power plant subsidiary

U.S. Navy

1978-1983 Nuclear Engineering Officer

Nuclear Industry²

Appointments

Mr. Kee was appointed to the U.S. Civil Nuclear Trade Advisory Committee (CINTAC) in 2018.

Mr. Kee was a member of the Scientific Advisory Board for Elysium Industries Limited, a startup nuclear power company from 2015 to 2017.

Client engagements

G20 2020 – retained by Saudi Arabia to participate in the G20 Energy Sustainability Working Group session on Circular Carbon Economy Innovation in Reduce, Reuse, Recycle, and Remove as a speaker on nuclear power; Riyadh, March 2020.

Confidential client – engaged in providing due diligence advice on major nuclear power industry acquisition, including preparation of nuclear power due diligence reports, review of legal and financial due diligence efforts, and participation in meetings with client acquisition team.

Down Under Nuclear Energy (DUNE) – retained by DUNE to prepare a response to the Council of Governments (COAG) Energy Council Energy Security Board (ESB) Issues Paper on Post-2025 Market Design for the Australian National Electricity Market (NEM). NECG response focused on how the NEM design could incorporate nuclear power, with real-world examples of approaches that work and that do not work in other countries.

Brookfield – engaged by Brookfield to provide nuclear power industry due diligence advice in its acquisition of Westinghouse Electric Company, including preparation of nuclear power due diligence reports, review of legal and financial due diligence efforts, participation in site visits inside and outside the U.S., and meetings with client bid team.

King Abdullah City for Atomic and Renewable Energy (K.A.CARE) - engaged to assist Saudi Arabia with the restart of its nuclear power sector development efforts. Reviewed and revised earlier nuclear power industry development plans, strategy, and documents to meet the new nuclear industry approach and assisted in developing a new nuclear power holding company.

World Nuclear Association – retained to draft "level playing field" position paper in support of the new WNA Harmony initiative.

Confidential client – retained to provide technical and market assessment of nuclear power digital instrumentation and control business.

² This CV has two sections: this section on the Nuclear Industry and a later section on the Electricity Industry

Utah Science, Technology and Research Initiative (USTAR) – reviewed applications for nuclear industry grants.

U.S. Department of Energy – retained in 2017 to undertake an analysis of economic issues facing U.S. operating nuclear power plants that may lead to early retirement; a report published in September 2017.

Confidential client – retained by a state-owned nuclear company to provide advice on governance, organization, and long-term strategy.

South Australian Parliament – retained by the South Australian Joint Parliamentary Committee on Findings of the Nuclear Fuel Cycle Royal Commission to review the Commercial Model for a South Australian high-level waste/spent nuclear fuel repository project.

U.S. Department of Energy – retained in 2016 to undertake an analysis of economic issues facing U.S. operating nuclear power plants that may lead to early retirement; a report published in September 2016.

G20/B20 2016 – retained by State Power Investment Corporation of China to provide recommendations for the Infrastructure Working Group agenda on the nuclear power industry.

IFNEC Reliable Nuclear Fuel Services Working Group – retained by U.S. DOE to develop interview guide questions on dual-track (i.e., national repository and multinational repository) approach for high-level nuclear waste and spent nuclear fuel disposition.

American Nuclear Society – a member of the Special Committee on Nuclear in the States, a committee focused on how to address economic issues and early retirement of U.S. nuclear power plants; was the principal author of the ANS Toolkit (see <http://nuclearconnect.org/wp-content/uploads/2016/02/ANS-NIS-Toolkit-V2.pdf>).

Ontario Independent Electricity System Operator (IESO) – part of the NERA Economic Consulting team that reviewed the Amended Bruce Power Refurbishment and Implementation Agreement and provided a Fairness Opinion to IESO.

[Confidential client] - conducted a detailed study of global nuclear power plant projects for a major financial institution; the study was focused on new nuclear project cost increases and schedule delays, existing nuclear plant performance and operating costs, and future trends for nuclear project business models

Emirates Nuclear Energy Corporation – conducted a detailed study of recent nuclear power plant projects in the global market; the study was focused on factors causing project cost increases and schedule delays

Citi – prepared a valuation of the Perry nuclear power plant.

[Confidential client] – provided advice on nuclear industry risks to a major financial institution in connection with its current and planned participation in financing activity for nuclear industry clients and projects.

Itochu – provided advice on nuclear project risks, including business risks linked to innovative nuclear project business model, to an investor in a company preparing to develop, own, and operate the new SINOP merchant nuclear power plant in Turkey.

[Confidential client] – engaged as a consulting expert in an international arbitration case related to the delay of a new nuclear power plant.

Centrus Energy (formerly USEC or U.S. Enrichment Corporation) – provided an analysis of the market impact of placing the Advanced Centrifuge Project into commercial operation with a focus on competition in the global uranium enrichment industry; report released to the public.

King Abdullah City for Atomic and Renewable Energy (K.A.CARE) – part of Oliver Wyman team providing advice on Saudi Arabia's planned nuclear power fleet investment and K.A.CARE strategy.

U.S. Department of Energy – provided an analysis of regulatory and market risks of a proposed new U.S. nuclear power plant in support of the U.S. DOE nuclear loan guarantee program.

Singapore – assisted the Singapore Ministry of Trade and Industry in a pre-feasibility study on nuclear energy. The feasibility study focused on the economic viability of nuclear energy as a potential long-term fuel source, in the context of Singapore's electricity market structure, projected electricity demand, and lack of indigenous generation fuel resources.

TNB (Tenaga Nasional Berhad) – assisted Malaysian electric utility TNB to develop a long-term strategy and roadmap for Malaysian nuclear power.

CPS Energy – assisted CPS Energy on due diligence, Board review, and Public Consultation process related to their participation in the new South Texas Project Unit 3 & 4 nuclear power plant project.

J.P. Morgan – valuation and appraisal of leasehold interests in a U.S. nuclear power plant.

Eskom – provided business due diligence advice to Eskom related to the 2008 Nuclear One procurement process; provided an independent report to Management Committee and Board.

The City of San Antonio – provided advice to the Mayor, City Council, and City staff on issues related to CPS Energy's participation in the South Texas Project nuclear plant expansion.

Constellation Energy Group – assisted Constellation in Calvert Cliffs 3 nuclear power plant development; compared projected power costs across technologies; and analyzed the projected economic impact of a new nuclear plant on the existing non-nuclear generation portfolio.

Illinois Power – provided advice related to the status of the Clinton nuclear power plant and whether to restart, retire, or sell the plant; assisted in the sale process.

U.S. Department of Energy – provided strategic advice on U.S. government tritium production options, including linear accelerators, existing commercial reactors, and a new DOE reactor that would burn MOX fuel derived from surplus weapons program plutonium.

Westinghouse Electric – consulting expert and case manager for extensive litigation engagement during which expert witness testimony on damages and related issues was developed and presented in a series of lawsuits brought by electric utilities seeking damages from Westinghouse related to nuclear power plant steam generator tube degradation.

Pacific Gas & Electric – provided analysis and advice on the settlement of the Diablo Canyon nuclear plant rate case.

Pacific Gas & Electric – provided analysis and advice on the potential acquisition of the Sacramento Municipal Utility District, owner of the Rancho Seco nuclear power plant.

Testimony in regulatory, judicial, and other proceedings

Before the United States Bankruptcy Court, Northern District of Ohio, Eastern Division; FirstEnergy Solutions Corp. et al., Debtors, Chapter 11, Case No. 18-50757. Retained to provide a declaration on issues concerning a rejected Enriched Uranium Supply Agreement. Case settled before trial in 2020. Retained by counsel for United States Enrichment Corporation and American Centrifuge Enrichment LLC (collectively "USEC").

Before the Supreme Court of the State of New York, County of New York; Elmrock Opportunity Master Fund I, L.P. v. Citicorp North America, Inc., ESSL 2, Inc. and Citigroup, Inc.; Index No. 6553300/2016. The case involved valuation issues related to a nuclear power plant leveraged lease. Retained by Citi.

Before State of North Carolina Utilities Commission in In the Matter of Application of Duke Energy Carolinas, LLC, for Adjustment of Rates and Charges Applicable to Electric Utility Service in North Carolina; Docket No. E-7, SUB 1146. Testified as a nuclear power industry expert in hearings in March 2018. Retained by Apple Inc., Facebook Inc., and Google LLC, collectively, the Tech Customers.

Before the Tax Court of Canada as an expert on the uranium industry and global nuclear fuel markets in *Cameco Corporation v HMQ*; the case involved transfer pricing, international corporate structure, uranium markets, and related issues for a uranium producer with involvement in the Megatons to Megawatts HEU deal. Retained by the Canadian Department of Justice.

Before U.S. District Court for the District of Vermont in the matter of Entergy Vermont Yankee, et al., v. Peter Shumlin, in his official capacity as Governor of the State of Vermont, et al., Civil Action No. 11-CV-99; filed declaration in support of preliminary injunction motion in April

2011, filed reply declarations in May 2011, testified at preliminary injunction hearing in June 2011 and at main trial in September 2011. Testified as an expert on economic benefits of continued operation, electricity market impacts, and related matters in preliminary injunction hearing and trial related to state laws prohibiting Vermont Yankee Nuclear Power Station from operating past original NRC license expiration despite an approved 20-year NRC license renewal. Retained by Entergy.

Before the European Commission Merger Registry, analysis of whether a UK nuclear industry transaction might constitute a potential abuse of market power; filed an expert report with the European Commission merger office on competition issues related to a proposed major transaction in the UK nuclear industry, October 2008. Retained by Confidential client.

Before the International Court for Settlement of Investment Disputes (ICSID), Mr. Kee testified on ownership, nuclear operation, nuclear safety, and related issues at the Krško nuclear plant. Testified in ICSID arbitration proceeding between the Croatian utility HEP and the Government of Slovenia related to ownership and operation of the Krško nuclear power plant. ICSID Case No. ARB/05/24, December 2007. Retained by Hrvatska Elektroprivreda.

Before the State of Rhode Island, Division of Public Utilities and Carriers, on the extent to which payment obligations under an unconditional take-or-pay power purchase agreement with a nuclear power plant were the financial equivalent of debt obligations; Pascoag Fire District, Docket No. D-91-10, May 1992. Retained by Pascoag Fire District (a Rhode Island municipal utility).

Publications, speeches, and media coverage

"How oil & gas majors could turn the tide against global warming;" World Nuclear News Viewpoint; with Amjad Ghori, Melissa Hersh, Paul Murphy, and Xavier Rollat; 12 June 2020.

"Enhancing the Economic Competitiveness of Advanced Nuclear;" Global America Business Institute (GABI) virtual workshop; expert on nuclear economics; 28 May 2020.

G20 Energy Sustainability Working Group; Workshop on Circular Carbon Economy Innovation in Reduce, Reuse, Recycle, and Remove; panelist on nuclear power; Riyadh, Saudi Arabia; 5-6 March 2020.

NECG submission in response to the Victoria Environment and Planning Committee inquiry into potential benefits to Victoria in removing prohibitions enacted by the Nuclear Activities (Prohibitions) Act 1983; 24 February 2020.

"Short-Run Marginal Cost and Fixed Cost – implications for flexible nuclear operation;" delivered a presentation at the IAEA Technical Meeting on Economics of Flexible Operation in Nuclear Power Plants; 3-5 Dec 2019; Phoenix, AZ

"Can a regulated asset model help deliver new investment;" World Nuclear News Viewpoint; with Ruediger Koenig, Paul Murphy, and Xavier Rollat; 27 November 2019.

"Why Mega-Projects Fail;" delivered a presentation as part of a session on Risk Management Relative to Financing a Multinational Repository for Spent Fuel and High-Level Waste; IFNEC Week 2019, 12-14 November 2019, Washington, DC.

NECG submission, with DUNE (Down Under Nuclear Energy), in response to the Australian Council of Governments Energy Security Board (ESB) Post-2025 market design issues paper; Edward Kee and Paul Murphy; 13 September 2019.

NECG submission in response to the Australian Parliament Inquiry into the Prerequisites for Nuclear Energy in Australia; 13 September 2019.

NECG submission in response to the New South Wales Legislative Council Inquiry into the Uranium Mining and Nuclear Facilities (Prohibitions) Repeal Bill 2019; 3 September 2019.

"Multilateral Nuclear Energy Dialogue - Forming a Coalition of the Willing;" speaker on Developing an Institutional Framework for Expanded Global SMR and Advanced Reactor Deployments; 26-29 August 2019, Henderson, NV.

"Nuclear power's role in 21st Century economy;" was a panelist; Powering our Economy – The Energy Grid; Fredericksburg Regional Chamber of Commerce, 29 May 2019, Fredericksburg, VA

"Paving the Way for SMR and Advanced Reactor Deployment to Support a Clean Growth Strategy for the Developing World by Reshaping Current Approaches;" Global America Business Institute (GABI), GABI Expert Brief #34; Edward Kee, Ken Luongo, and Paul Murphy; 16 May 2019.

NECG submission in response to the UK Parliament Inquiry on Financing Energy Infrastructure issued by the Business, Energy, and Industrial Strategy Committee; Edward Kee, Amjad Ghori, Ruediger Koenig, Fabienne Pehuet Lucet, Paul Murphy, and Xavier Rollat with peer-review by Prof. Graham Weale; 2 April 2019.

"Roadblocks for U.S. Nuclear Power?" Atlantic Council EnergySource, Melissa Hersh, and Edward Kee, 20 March 2019.

"Economics and advanced reactor technology development;" International Symposium on Nuclear Energy Technology Development, sponsored by METI, IEEJ, and IAE; by video; Tokyo, 12 February 2019.

"Nuclear power and the role of government;" 5th Central & Eastern Europe Nuclear Industry Congress 2019; Prague, Czech Republic; by video; 28-29 January 2019.

"Debate Continues: Can New Technology Save Nuclear Power?" POWER, Edward Kee quoted in this article by Kennedy Maize; 1 January 2019.

"Nuclear power and the role of government;" IFNEC + NICE Future - Challenges and Opportunities Facing Nuclear Energy in an Energy Transitions Context: Innovation and Actions to Advance Clean Nuclear Energy; Tokyo; 13-14 November 2018.

"Poland's Role in Energy Bridge and Regional Energy Security," Atlantic Council EnergySource; Melissa Hersh and Edward Kee, Part 3 of a 3-Part series; 17 October 2018.

"Ukraine's Nuclear State of Play: The International Dimension," Atlantic Council EnergySource; Melissa Hersh and Edward Kee, Part 2 of a 3-Part series; 9 October 2018.

"What Role can Energy Bridge plan in Ukraine's energy resilience?" Atlantic Council EnergySource; Melissa Hersh and Edward Kee, Part 1 of a 3-Part series; 3 October 2018.

"Interest in Small Modular Nuclear Reactors is growing. So are fears they aren't viable:" green tech media; Mr. Kee quoted in this article by Jason Deign; 14 March 2018.

"Financing of Nuclear Projects," Congressional Briefing – Importance of Commercial Nuclear Exports to the U.S. Economy, Rayburn House Office Building, Washington DC, 11 June 2018.

"Nuclear Power and Electricity Deregulation: Lessons from the U.S. Experience," 51st Japan Atomic Industrial Forum Conference, Tokyo, 9 April 2018.

"Global Nuclear Market Economic Dynamics," Technical Track 18A, PowerGen International, Las Vegas, 6 December 2017.

"A market fix for nuclear," article on U.S. nuclear power situation, Nuclear Engineering International magazine; December 2017.

"Let's Talk Government Ownership of Unprofitable Nuclear Power Plants," Edward Kee quoted in this post by Christina Simeone of Kleinman Center for Energy Policy; 2 November 2017.

"Why More Flexible Operation Won't Save U.S. Nuclear Power Plants," green tech media; Mr. Kee quoted in this article by Jason Deign; 30 October 2017.

"Early retirement of nuclear power – market failure, failing markets, and the nuclear power industry," NEI International Uranium Fuel Seminar, Seattle, 24 October 2017.

"Economic and Market Challenges Facing the U.S. Nuclear Commercial Fleet – Cost and Revenue Study;" INL/EXT-17-42944; U.S. DOE/ESSAI report; September 2017.

"The Impact of Shutting Down Nuclear Power;" The Global Energy Leaders Podcast; Episode 57; 6 July 2017.

"EIA panel: Nuke financial woes are a 'market failure;'" UtilityDive; Mr. Kee quoted in this article by Krysti Shallenberger; 27 June 2017.

“The Future of U.S. Nuclear Power,” 2017 EIA Energy Conference, Washington DC, 26 June 2017.

“Nuclear power is booming in Asia as U.S. industry struggles;” Mr. Kee quoted in this article by Matt Smith in Seeker.com; 8 May 2017.

“Dispelling Nuclear Myths,” 2017 American Nuclear Society National Student Conference, Pittsburgh, 8 April 2017.

“Market and economic assessment of nuclear power – focus on Canada and USA,” Briefing for Gowling WLG attorneys and clients, Toronto, 28 February 2017.

“Here’s Why the U.S. Nuclear Industry is in Jeopardy,” Mr. Kee quoted in this article in Seeker.com; 24 February 2017.

“Financial woes of Westinghouse parent company worry U.S. nuclear industry,” Mr. Kee quoted in this article in Nucleonics Week, 9 February 2017.

“U.S. Nuclear Economic Challenges;” delivered a presentation on market failure and nuclear power plant early retirements at 2016 Nuclear Power International; Orlando, FL; 13 December 2016.

“U.S. Nuclear Power Overview;” delivered a presentation on U.S. nuclear power industry with a focus on market failure and nuclear power plant early retirements at 2016 GenForum at PowerGen International; Orlando, FL; 12 December 2016.

“Improving the economics of nuclear power;” delivered a presentation on the magnitude of the gap between market revenue and operating costs for U.S. nuclear power plants; Global America Business Institute (GABI); Washington, DC; 6 October 2016.

“Economic and Market Challenges Facing the U.S. Nuclear Commercial Fleet,” INL/EXT-16-39951, U.S. DOE/ESSAI report, September 2016.

“Can our need for a carbon-free future override our fears of nuclear energy?” Mr. Kee quoted in this article by Debbie Carlson in the Guardian U.S. Edition, 12 September 2016.

“Exelon’s purchase of FitzPatrick likely to boost profitability, analysts say,” Mr. Kee quoted in this article in Nucleonics Week, 11 August 2016.

“Market failure and nuclear power;” Bulletin of Atomic Scientists; 4 August 2016.

“Market Failure & Nuclear Power;” delivered a presentation on the failure of the U.S. electricity market approach to support nuclear power; Global America Business Institute (GABI); Washington, DC; 28 June 2016.

“Carbon pricing not enough to help nuclear power;” World Nuclear News, Viewpoint, 8 June 2016.

“Impact of Carbon Pricing on nuclear power projects;” IFNEC Nuclear Financing Conference, Paris, 12 May 2016.

IFNEC Nuclear Financing Conference; assumed the role of expert advisor to Energy Minister in two nuclear role-playing exercises; Paris, 12 May 2016.

Debate on the economic basis of proposed Saudi nuclear power program; Nonproliferation Policy Education Center (NPEC); Washington DC, 5 May 2016.

“World experience with nuclear power and electricity reform;” 49th Annual Japan Atomic Industrial Forum Conference, Tokyo, 12 April 2016.

“Views from the Financial Community;” was a panelist in session at CINTAC – Global Nuclear Energy Financing Workshop; Washington, DC; 11 March 2016.

“The U.S. Energy Sector: Structure, Policy, and Recent Developments;” co-author (with Paul Murphy of Gowlings and Lindsay Hall of Milbank Tweed) of this chapter in a forthcoming book titled “Energy Law and Energy Infrastructure Development for a Low-Carbon World,” Cambridge University Press; 2016.

“Part 1: Why nuclear power plants are closing,” and “Part 2: How to prevent nuclear power plant closings;” *To close or not to close* Mega Session, Nuclear Power International, Las Vegas, NV, 8 December 2015.

“Will Cheap Natural Gas Box Out Investments in Advanced Coal and Nuclear Energy?” Mr. Kee quoted on the economics of nuclear power in the U.S. and the world; article by Ken Silverstein in *Forbes*; 23 November 2015.

“The economic consequences of new models;” Mr. Kee was a panelist in this session at the Utilities in a Time of Change conference sponsored by the Public Utilities Fortnightly; Scottsdale, AZ, 18 November 2015.

“Nuclear Energy: The Federal and State Approach to Compliance with the Clean Power Plan (CPP);” Mr. Kee participated as a panelist in the General Chair’s Special Session, American Nuclear Society 2015 Winter Meeting, Washington, DC 10 November 2015.

“Merchant Nuclear Power;” NECG Knowledge Partner Paper; the Middle East Nuclear Power Briefing 2015; Abu Dhabi; 13-14 October 2015.

“Merchant Nuclear Power;” NECG Knowledge Partner Paper; 4th Annual Nuclear Energy Development Summit; Istanbul; 4 October 2015.

“Disrupting the Nuclear Power Industry;” Mr. Kee participated in the Harvard Business School 2015 Energy Symposium; Boston, MA, 17 October 2015.

“Nuclear Revenue Certainty;” delivered a presentation at the Middle East Nuclear Power Briefing 2015; Abu Dhabi, 13-14 October 2015.

“Nuclear Power and the electricity industry;” delivered a presentation for the opening session of the NEI International Uranium Fuel Seminar; Beaver Creek, CO; 5 October 2015.

“Nuclear Power Economics and Markets;” Opening address at the IBC Decommissioning of Nuclear Reactors & Materials conference on Miami, Florida, 29 September 2014.

“Saudi Arabia’s Nuclear Plans May Be Hobbled by U.S. Law;” Mr. Kee quoted in this article in Fuel Cycle Week; 20 August 2015.

“Decision Time looms for Saudi Arabia on nuclear power;” Mr. Kee quoted in this article on the Saudi Arabian nuclear power program, Arabian Business, 18 August 2015.

“Cheap natural gas might doom new FERMI nuke plant;” Mr. Kee quoted in this article in the Detroit Free Press; 23 February 2015.

“Can nuclear succeed in liberalized power markets?” World Nuclear News, 4 February 2015.

“U.S. nuclear industry in decline” Nuclear Engineering International, 28 January 2015.

“Project by project update [for U.S. nuclear]: COL licenses under review” Nuclear Engineering International, 28 January 2015.

“IEA U.S. Energy Policy Review – Lessons for nuclear power” Knowledge Partner for 3rd Asian Nuclear Power Briefing 2015, Hanoi, 22-23 January 2015.

“Role of Government in Nuclear” Knowledge Partner for 3rd Annual Nuclear Energy Development Summit, Budapest, Hungary, 2-4 October 2014.

“Rescuing U.S. Merchant Nuclear Power;” Panelist at American Nuclear Society Utility Working Conference 2014 on Amelia Island, Florida, 11 August 2014.

“Nuclear Energy Around the Globe: Strengths, Weaknesses, Opportunities, Threats;” Panelist on nuclear power business models; Panel Discussion at the Nuclear Energy Assembly (NEI Annual Conference); Scottsdale, Arizona; 21 May 2014.

“Rescuing U.S. Merchant Nuclear Power: Advancing National Security, Economic, Energy, and Environmental Imperatives;” with Elise Zoli; *The Electricity Journal*; April 2014.

“Economic Impact of Japanese nuclear shutdown;” with Hiroaki Ishigaki; The Future of Nuclear Power in Asia conference; Tokyo, Japan; 17-18 February 2014.

“2014 – Asian Nuclear Power Outlook;” Knowledge Partner paper for The Future of Nuclear Power in Asia conference; Tokyo, Japan, 17-18 February 2014.

“Natural gas glut crimps nuclear power;” Mr. Kee quoted in this article on electricity market issues related to the early retirement of the Kewaunee merchant nuclear power plant for economic reasons; *The Christian Science Monitor - CSMonitor.com*; 8 May 2013.

“Role of Nuclear Energy in Global Energy Markets;” Nuclear Energy Development Summit 2013, Eastern Europe, Turkey, and the Middle East; Istanbul, Turkey; 21 November 2013.

“Financing Issues Associated with the Development of an Embarking Nuclear Power Program;” Economics and electricity market expert panelist; IFNEC Finance, Regulatory, Energy Planning Authority Workshop, Abu Dhabi, UAE, 22 October 2013.

“Global perspective on nuclear energy and the implications for Europe;” delivered a presentation at 2nd European Nuclear Power Briefing 2013, Budapest, Hungary, 22-25 September 2013.

King Abdullah City for Atomic and Renewable Energy - Saudi Sustainable Energy Symposium; presented an introductory session on nuclear power and moderated three panels on nuclear power, Riyadh, Saudi Arabia, 24 April 2013.

“Rush to Natural Gas Has Coal-Fired Utilities Seeing Red;” Mr. Kee quoted in this article on the impact of unconventional (shale) natural gas supplies on the U.S. electricity industry; *Wall Street Journal*; 24 January 2013.

“Emerging Nuclear Power Programs,” Panel Chairman, Mega-Session IV, Nuclear Power International, Orlando, FL, 11 December 2012.

“Global Nuclear Power,” panelist in the Infocast “Reshaping of the Nuclear Industry Post-Fukushima” online seminar; 8 November 2012.

“Global Nuclear Power,” delivered a presentation on drivers of future nuclear power plant development at the *World Energy in 2040* conference sponsored by Capital Alliance, M&A International, and Fulbright & Jaworski; Dallas, TX; 25 October 2012.

“Issues and Challenges for Merchant Nuclear Projects,” delivered a presentation at U.S. NRC Public Meeting on *Financial Qualifications for Merchant Nuclear Plant Combined License Applicants*; Rockville, MD; 11 October 2012.

“Economics of Nuclear Projects,” Marsh Nuclear Insurance, U.S. Nuclear Energy Center of Excellence, Annual Risk Management Seminar; Ponte Vedra Beach, FL; 19 September 2012.

“Issues and Challenges for Merchant Nuclear Projects,” delivered a presentation at the World Nuclear Association 37th Annual Symposium; London; 13-14 September 2012.

“U.S. NRC order could delay decision on new nuclear reactor licensing;” Mr. Kee quoted on the likely impact on U.S. nuclear industry because of an NRC decision to defer COL and License renewal decisions while addressing issues raised by an Appeals Court decision striking down the NRC Waste Confidence Rule; Platt’s; 20 August 2012.

“Utility Perspectives on Drivers for Adoption of SMR Technology,” and “Financeability of SMR Technology,” led panel discussions at the Commercializing Small Modular Reactors for Domestic and International Markets 2012 conference; Washington, DC; 18-19 July 2012.

“International SMR Programs and Markets,” presentation at the Small Modular Reactors and International Markets Executive Forum 2012; Washington, DC; 17 July 2012.

“Economic implications of a major event on global nuclear power industry;” Utilities Service Alliance (USA) Executive Summit 2012; Colorado Springs; 13 June 2012.

“A View of Nuclear Growth at Home and Abroad,” speaker in this session at the U.S. Nuclear Energy Institute - Nuclear Energy Assembly 2012; Charlotte, North Carolina; 21-23 May 2012.

International Framework for Nuclear Energy Cooperation (IFNEC) Finance Workshop; expert panelist for nuclear plant financing scenarios; Lancaster House, London, 9-10 May 2012.

“Future of Nuclear Energy,” panelist on Aftermath of Fukushima Dai-ichi Accident, George Washington University, 16 March 2012.

“Nuclear Energy – Is there a Future?” 39th Annual Public Utilities Research Center Conference; the University of Florida, 15 February 2012.

“U.S. Nuclear Industry's Fate Rests with Southern Company,” Mr. Kee quoted on the importance to the nuclear power industry of the Vogtle expansion nuclear power project, *Moneynews*, Thompson/Reuters, 15 February 2012.

“Alternatives for Spent/Used Fuel,” Nuclear Safety Post-Fukushima conference, Washington, DC, 6 December 2011.

“Small Modular Reactors – Financial Perspectives,” American Nuclear Society (ANS) Winter Meeting 2011, SMR Business Case session, Washington, DC, 1 November 2011.

“New Nuclear Build Strategy - where do we go from here?” Panel Chairman, Nuclear Energy Insider, 3rd Annual Nuclear Construction Summit, Charlotte, NC, 26 October 2011.

“Global Nuclear Power Developments after Fukushima;” Australian Energy User Association, EUAA Annual Conference (by video conference), Melbourne, Australia, 19 October 2011.

“Global Nuclear Power Developments after Fukushima,” Goldman Sachs utility sector institutional investors, New York City, NY, 17 October 2011.

Bloomberg TV, Street Smart, Mr. Kee interviewed on small reactors, 23 September 2011.

“Miners See Mixed Effects in Frail Economy, Falling Dollar;” Mr. Kee quoted on global uranium markets and prices; *Fuel Cycle Week*, Vol. 10, No. 437; 11 August 2011.

“Economics of nuclear power in Utah;” panelist in a forum on the proposed Blue Castle nuclear power project at the Sutherland Institute, Salt Lake City, UT, 19 July 2011.

“If Indian Point Closes, Plenty of Challenges;” Mr. Kee quoted on the impact on regional electricity markets if the Indian Point nuclear power plant were closed; *New York Times*; 13 July 2011.

“Fukushima and Nuclear Power: Can we live without it?” panelist in an online seminar sponsored by the Energy Collective, 29 June 2011.

“Small Reactor Economics,” Nuclear Power Europe conference (presented by a colleague due to schedule conflicts); Milan, 8 June 2011.

“Nuclear: Fukushima - the Aftermath;” Thought Leader at 2011 Bloomberg New Energy Finance Summit; participated in an opening panel discussing the impact of Fukushima on the nuclear power markets; New York, 4 April 2011.

“U.S. May Build Five New Nuclear Reactors by 2020, New Energy Finance Says;” Mr. Kee quoted on the impact of natural gas prices on nuclear power and renewable energy projects; report on Bloomberg New Energy Finance Summit; Bloomberg; 4 April 2011.

“International Small Modular Reactor Programs and Markets;” Panel Chairman at the Building the Value Chain for Commercializing Small Modular Reactors 2011 Conference; Washington, DC, 28 March 2011.

“Global nuclear power – China leads the way,” presented at American Nuclear Society meeting; Washington, DC, 15 February 2011.

“Asia’s Nuclear Energy Boom has Potential to be America’s First Wave;” Nuclear Town Hall Newsmakers; Mr. Kee interviewed by William Tucker; 13 January 2011.

“Duke to Buy Progress Energy for \$13.7 Billion;” Mr. Kee quoted on the merger’s potential impact on new nuclear build projects; *New York Times – Deal Book*; 10 January 2011.

“Deploying Small Modular Reactors in the U.S.,” chair and organizer of this Mega-Session panel at Nuclear Power International, Orlando FL; 14 December 2010.

“Global nuclear power developments – Asia leads the way,” presented at Nuclear Energy Asia conference, Hong Kong, 7 December 2010.

“Global Demand for Nuclear Energy and Risk Management Issues;” led a seminar on global nuclear power markets, strategic issues for the nuclear power industry; the role of government in the nuclear power industry; and small reactor market assessment; JOI and JBIC Seminar, Tokyo, 24 November 2010.

"DOE Nuclear Power Plant Loan Guarantees: Evaluating Regulatory & Market Risk," presented at the Marsh U.S. Nuclear Energy Center of Excellence Annual Risk Management Seminar, Palm Beach, FL, 22 September 2010.

“Asia to lead the shift to Nuclear Power;” IQPC interview of Mr. Kee in advance of a Nuclear Energy Asia conference in Hong Kong; September 2010.

“Why new build won’t happen here;” Mr. Kee quoted on the electricity market and other hurdles facing U.S. merchant nuclear projects; *Fuel Cycle Week*, Vol. 9, No. 393; 8 September 2010.

“2010 Nuclear Power Briefing,” presented to Goldman Sachs, Morgan Stanley, and institutional investors groups, New York City, 23 March 2010.

“A look ahead at some [nuclear] fuel issues for 2010,” Mr. Kee interviewed on nuclear fuel markets and related issues; *ANS Nuclear News*, February 2010.

“Korean Group's UAE Victory Surprises Few Nuke Insiders;” Mr. Kee quoted on nuclear industrial development, nuclear industrial capacity, and nuclear build experience in South Korea; *Fuel Cycle Week*, Vol. 9, No. 358; 6 January 2010.

“Timing Uncertain for Federal Nuclear Loan Guarantees,” Mr. Kee interviewed on DOE loan guarantee process, *Power Engineering International*; January 2010.

“Economics of Nuclear Power” Mega-Session presentation at the Nuclear Power International 2009 Conference, Las Vegas; 8 December 2009.

“Nuclear Development Snapshots” summary of Eastern European nuclear activities, with Glenn George, in Platt’s *Energy in East Europe*, Issue 177; 20 November 2009.

“DOE Loan [Guarantees]: chicken or egg?” in *Nuclear Engineering International*; September 2009.

“First Wave or Second Wave?” article on first-mover strategy for new nuclear power projects in the U.S. in *Nuclear Power International*; June 2009.

“Global Nuclear Power,” presented at the Goldman Sachs Ninth Annual Power & Utilities Investor Conference; New York City; 19 May 2009.

“State Support is Key: New nuclear power plants may need significant government support” in *Nuclear Engineering International*; January 2009.

“Nuclear Fleet Strategies,” presented at the futurepower Conference, London, 5 November 2008.

“Global Nuclear Power,” presented at the Goldman Sachs Eighth Annual Power & Utilities Investor Conference; New York City; 13 May 2008.

“Nuclear Fuel Future” in *Public Utilities Fortnightly*; February 2008.

“Nuclear Fuel: A New Market Dynamic” in *The Electricity Journal*; December 2007.

“Nuclear Renaissance,” presented at the EUCI *Who will build generating baseload capacity?* Conference; Salt Lake City; 8 March 2007.

“[Nuclear] Loan Guarantees under EPCAct” with Robert Mudge, in *Energy Law Journal*, Vol.28:2, Fall 2007.

“Nuclear Fuel Market Faces Challenges” three-part article in *The Desk*; 19 October, 26 October, and 9 November 2007.

“New Nukes;” Mr. Kee quoted on the likely cost of new nuclear power plants in this article on new nuclear power projects in Florida; *Florida Trend*; 1 March 2006.

“The Energy Policy Act of 2005—Nuclear Power Incentives,” presentation to the Institute for Energy Economics of Japan, Washington, DC; 1 December 2005.

“The Energy Policy Act of 2005,” presentation on incentives for new nuclear power to the Virginia Industrial Energy User Group; Richmond, VA; 21 September 2005.

“Will Monti Pull the Plug on [Nuclear] State Aid?” in *Wall Street Journal Europe*; 15 December 2003

“[Nuclear] Plant Extinction Exaggerated” in *Public Utilities Fortnightly*; 1 January 1993.

“Economic Shut-Down of Nuclear Plants: Case Studies and Industry Outlook” presented at the Power-Gen 92 Conference; Orlando, FL; 17 November 1992.

“Economics of Nuclear Plant License Renewal: A Framework for Decision-Making” presented at the Power-Gen 91 Conference; Tampa, FL; 5 December 1991.

Training Courses

IAEA Inter-Regional Training Course on Advanced Approaches in Financing NPP Projects, Argonne National Laboratory, Argonne, Illinois, taught courses on Power Purchase Agreements and Nuclear Power Project Success / Failure; 15-19 July 2019.

IAEA Inter-Regional Training Course on Financing NPPs; Argonne National Laboratory; Argonne, Illinois; taught a course on Nuclear Fuel Supply Contracts; by video from Tokyo; 12-16 November 2018.

ANS Roundtable on nuclear power PPAs (power purchase agreements) for House and Senate energy staff, Russell Senate Office Building, 12 October 2018.

IAEA Mission to Turkey; training for Turkish state-owned Electricity Generation Company (Elektrik Üretim A.Ş. or EÜAŞ); taught courses covering commercial and contracting issues related to Nuclear PPAs, Nuclear O&M, Nuclear Fuel, and Spent Nuclear Fuel; and a course on Nuclear Project Success and Failure; 6-8 February 2018.

IAEA Nuclear Financing Course; Argonne National Laboratory; Argonne, Illinois; taught courses covering Nuclear Power and the Electricity Industry; Nuclear Power Purchase Agreements; and How Nuclear Projects Fail; 6-10 November 2017.

Nuclear Innovation Bootcamp; a mentor for Bootcamp teams; sponsored by Nuclear Innovation Alliance and the University of California at Berkeley; August 2017.

INL MeV (Modeling, Experimentation, Validation) Summer School, Idaho Falls, ID; taught a course on Nuclear Plant Closure – Why U.S. nuclear power plants are retiring early and what can be done about it; 26 July 2017.

Calpine Corporation; retained by this U.S. non-utility power company to provide a board briefing on U.S. nuclear power plant economics, including issues related to early retirements of nuclear power plants; November 2016.

Nuclear Innovation Bootcamp; a mentor for Bootcamp teams; sponsored by Nuclear Innovation Alliance and the University of California at Berkeley; August 2016.

Iowa State University; guest lecturer on nuclear power economics and the U.S. electricity industry for Nuclear Engineering 430 (Nuclear Energy in Society) course; 19 April 2016.

IAEA Nuclear Financing Course; Argonne National Laboratory; Argonne, Illinois; taught courses covering Nuclear Power and the Electricity Industry; Nuclear Power Purchase Agreements; and How Nuclear Projects Fail; 5-9 October 2015.

IAEA Interregional Nuclear Energy Information Workshop; Argonne National Laboratory; Argonne, Illinois; taught courses covering Comparative cost structure of nuclear energy; and Impact of alternative electricity industry structures on nuclear power; 3-6 August 2015.

IAEA Nuclear Financing Course; Argonne National Laboratory; Argonne, Illinois; taught courses covering Nuclear Power and the Electricity Industry; Nuclear Power Purchase Agreements; How Nuclear Projects Fail; 6-10 October 2014.

Commentaries

NECG Commentaries are on the [NECG web site](http://www.jaif.or.jp/necg-commentary-series/) with Japanese translations at <http://www.jaif.or.jp/necg-commentary-series/>

- Commentary #31 – “[Time to rethink renewable subsidies](#)” (James Boucher) 11 September 2020
- Commentary #30 – “[UK RAB Model](#)” 14 October 2019
- Commentary #29 – “[Another Win for Dirty Electricity](#)” 31 May 2019
- Commentary #28 – “[Roadblocks for U.S. Nuclear Exports](#)” 25 March 2019
- Commentary #27 – “[U.S. Nuclear Still Threatened](#)” 12 March 2019 (18 March 2019 update)
- Commentary #26 – “[Japan – Nuclear Power and Electricity Reform](#)” 20 February 2019
- Commentary #25 – “[Hitachi suspends UK nuclear](#)” (Tom O’Sullivan) 23 January 2019
- Commentary #24 – “[Government Support](#)” 17 December 2018
- Commentary #23 – “[Market framework for financing small nuclear](#)” 20 August 2018
- Commentary #21 – “[Market Failure](#)” 8 May 2018
- Commentary #22 – “[Long-Term Nuclear Value](#)” 11 July 2018
- Commentary #21 – “[Market Failure](#)” 8 May 2018
- Commentary #20 – “[Fukushima Dai-ichi visit](#)” 24 April 2018
- Commentary #19 – “[Diablo Canyon Retirement](#)” (Dr. Gene Nelson) 11 January 2018
- Commentary #18 – “[U.S. Nuclear Issues Remain](#)” 8 January 2018
- Commentary #17 – “[Better Market Design](#)” (Xavier Rollat) 5 April 2017
- Commentary #16 – “[Peak Nuclear Power](#)” 22 February 2017
- Commentary #15 – “[Existential Threat](#)” 19 January 2017
- Commentary #14 – “[Market Failure & Nuclear Power](#)” 24 June 2016
- Commentary #13 – “[Davis-Besse](#)” 28 April 2016
- Commentary #12 – “[Flexible Nuclear Power](#)” 24 September 2015
- Commentary #11 – “[Nuclear power in Summer \[16 things\]](#)” 12 August 2015
- Commentary #10 – “[U.S. Government Role in Merchant Nuclear](#)” 7 July 2015
- Commentary #9 – “[Nuclear Surrender?](#)” 14 May 2015
- Commentary #8 – “[Death of nuclear power – a foolish prediction](#)” 4 May 2015
- Commentary #7 – “[Turkish Viewpoint](#)” (Tom O’Sullivan) 6 April 2015
- Commentary #6 – “[U.S. State Action on Revenue Certainty](#)” 2 March 2015
- Commentary #5 – “[Revenue Certainty](#)” 9 Feb 2015

Commentary #4 – “[Nuclear Lessons from Vermont Yankee Closure](#)” 30 December 2014

Commentary #3 – “[Nuclear Base Load](#)” 3 Nov 2014

Commentary #2 – “[Nuclear Power & Short-Run Marginal Cost](#)” 1 Oct 2014

Commentary #1 – “[Nuclear Power – Long-Term Assets in Short-Term World](#)” 31 August 2014

Electricity industry

Client Engagements

ECRA (Electricity & Co-generation Regulatory Authority of the Kingdom of Saudi Arabia) – evaluated Saudi Power Purchase Agreements (PPAs) and their potential impact on planned restructuring/reform of the Saudi Arabian electricity industry.

CER (Commission for Energy Regulation), Republic of Ireland – led the PA Consulting Group team in a two-year engagement to conduct a review of interim electricity trading arrangements; to design a new Irish electricity market consistent with Irish and EU legislation; and to outline a comprehensive market power mitigation scheme.

INESPAL – assisted INESPAL, the Spanish government-owned aluminum producer and manufacturer, to evaluate power supply options that included independent power producers, renewal of contracts with incumbent utilities, and other options.

Consolidated Edison – retained as a consulting expert in a civil litigation case arising from the failed merger between two utility companies on issues related to risk management policies and practices.

Trans-Elect – retained by Trans-Elect to assist in the acquisition of transmission companies, in the context of a wider strategy and implementation assistance for this pure-play transmission company.

Government of South Australia, Australia – Economic Advisor to the Government of South Australia in the reform, restructuring, and privatization of the former state-owned electricity industry. Assisted with the transition to the National Electricity Market; developed and implemented an approach to restructure the incumbent government-owned electric utility; developed and implemented a market power mitigation program involving vesting contracts; and assisted in several proceedings before the Australian Competition and Consumer Commission.

Government of Queensland, Australia – provided advice to Queensland Treasury and Cabinet on reform of government-owned electricity companies, power purchase contracting, retail electricity competition, the development of the Papua New Guinea natural gas pipeline, and related energy industry issues.

Government of Victoria, Australia – provided advice to Victorian Treasury and Cabinet on electricity system security of supply, government intervention in the electricity spot market, electricity industry cross-ownership rules, and related electricity industry issues.

National Electricity Code Administrator, Australia – led the review of the integration of energy markets and network services that examined the extent to which full nodal spot pricing should be applied in the Australian National Electricity Market.

Edison Electric Institute – provided advice on liability assumed by transmission owners and market operators in a shift to FERC jurisdiction from state jurisdiction due to enhanced ability of end-use customers to seek compensation as a result of system outages.

National Electricity Market Management Company, Australia – developed and implemented inter-regional electricity market spot price locational hedge instruments and auction process.

National Electricity Market Management Company, Australia – provided advice related to NEMMCO’s strategic planning and risk management process.

DNIB (De Nationale Investeringsbank Asia Ltd), Australia – provided advice to DNIB about their participation in the lending consortia to newly privatized gas and electricity retail and distribution companies and generating companies.

KP&L/KG&E merger – provided consulting advice and testimony support in connection with FERC merger approval.

Edison Electric Institute – prepared an analysis of the economic impact of proposed carbon taxes for EEI, with a focus on the electric utility industry and electricity prices.

Fuji Electric – investigated the commercial feasibility of fuel cells in the U.S. market to determine configuration and cost necessary for successful market penetration and analyzed product research and development results to identify likely long-term pricing, working in the U.S. and Japan.

Dominion Energy – conducted a strategic review of utility non-regulated power subsidiary with a focus on the investment decision-making process.

Virginia Power – developed and implemented a major power purchase procurement auction process to evaluate offered power purchase agreements from IPPs, including assistance in procurement strategy, in soliciting and evaluating bids, and in negotiating agreements with winning bidders; provided an independent assessment to state electricity regulator.

Testimony in regulatory, judicial, and other proceedings

Before 19th Judicial District Court, Parish of East Baton Rouge, State of Louisiana, on the shared savings power purchase agreement terms and financial outcomes in the matter of *Bernhard vs. Board of Supervisors, LSU*; Case No. 542,936; two sessions of deposition testimony completed; presented testimony before the Panel of Engineers in December 2009; case settled in early 2010. This case involved a contract dispute related to the shared savings power purchase agreement for a new cogeneration system installed at the main campus in Baton Rouge. Retained by Louisiana State University.

Before the New Brunswick Energy and Utilities Board, on the state of electricity industry reform and restructuring in New Brunswick and the extent to which government-imposed power

purchase/vesting contracts (including with the Point Lepreau nuclear plant) should be subject to regulatory oversight by the Energy and Utilities Board, June 2007. Retained by NB Power.

Before the Energy and Utilities Board of New Brunswick, on the international experience with vesting contracts as electricity industry reform transition arrangements, Public Intervenor motion of 31 May 2007 on generator costs, June 2007. Retained by NB Power.

Before the U.S. Federal Energy Regulatory Commission, detailed analysis of Death Star and other Enron trading strategies and market simulation modeling to estimate the impact of these Enron trading strategies on U.S. Western power markets; proceeding related to activities in California and western power markets in 2000 and 2001, *Enron Power Marketing, Inc.*, Docket EL03-180; May 2005. Retained by Enron.

Before the South Dakota Public Utilities Commission, on PURPA implementation in South Dakota, avoided cost levels, typical contract terms, wind project impact, and potential wind energy integration costs, Montana-Dakota Utilities, Docket EL04-016; January 2005. Retained by MDU.

Before the Maharashtra State Electricity Regulatory Commission (MERC; India), on an appropriate method of allocating costs of Reliance Energy standby charges; April 2004. Retained by Reliance Energy.

Before the U.S. Federal Energy Regulatory Commission, a detailed analysis of Death Star and other Enron trading strategies and the impact of these Enron trading strategies on U.S. Western power markets, *Enron Power Marketing, Inc.*, Docket EL02-114, February 2003. Retained by Enron.

Before the U.S. Federal Energy Regulatory Commission, detailed analysis of Death Star and other Enron trading strategies and the impact of these Enron trading strategies on U.S. Western power markets, *Enron Power Marketing, Inc.*, Docket EL02-113, February 2003. Retained by Enron.

Before the U.S. Federal Energy Regulatory Commission, on the likely effect of the Enron trading strategies on electricity market prices and long-term PPAs signed in the western region in 2000 and 2001, *Nevada Power Company, et al. v. Duke Energy Trading & Marketing et al.*, Docket EL02-28, August 2002. Retained by Enron.

Before the U.S. District Court, Northern District of California, San Francisco, expert report on the impact of FERC market price mitigation measures in California on California Power Exchange published prices, *Idaho Power Company v. Boston Properties*, Case No. C-01-1293, January 2002. Retained by Boston Properties.

Before the Supreme Court of New South Wales Commercial Division, Sydney, Australia; expert report and testimony at trial on issues related to Power Purchase and Hedge Agreement implementation and required security, *National Power Australia v. EnergyAustralia*; July 1998. Retained by EnergyAustralia.

Before the Economic and Finance Committee of the South Australian Parliament, on electricity industry reform, privatization, and the use of vesting contracts as a transition mechanism, July 1998. Retained by South Australian Treasury.

Before the U.S. District Court, Western District of Washington; expert report and testimony on issues related to PURPA implementation, project compliance with FERC QF requirements, power purchase agreement implementation, and damages; *March Point Cogeneration Company v. Puget Sound Energy*, Case No. C95-1833R; October 1997. Retained by Puget Sound Energy.

Before the Superior Court of the State of California, County of Imperial, on damages, geothermal power plant development and operational issues, and transmission agreement terms, *Red Hill Geothermal Company, et al. v. Irby Construction Company, et al.*, Case No. 74359, October 1996. Retained by Irby, Hyundai Heavy Industries, and other defendants.

Before the Court of Common Pleas of Lehigh County, Pennsylvania, Civil Division, on whether irreparable harm to the seller of power would result if PP&L exercised certain rights under a power purchase agreement, *Pennsylvania Power & Light Company (PP&L) v. Schuylkill Energy Resources and Reading Anthracite Company*, File No. 95-C-2810; April 1996. Retained by PP&L.

Before the United States District Court for the Northern District of Alabama, Southern Division; affidavit filed on the role of power marketing companies in the electric utility industry and related contractual arrangements between the Tennessee Valley Authority and LG&E Power Marketing, *Alabama Power Company, et al. v. Tennessee Valley Authority, et al.*, Civil Action No. CV-96-PT-0097-S, April 1996. Retained by Alabama Power Company.

Before the Pennsylvania Public Utility Commission, on the pricing provisions in disputed power purchase agreements following a court decision that struck the use of coal proxy plant avoided costs and remanded the pricing issue to the Pennsylvania Public Utility Commission, Dockets P-870235, C-913318, P-910515, & C-913764, September 1995. Retained by Pennsylvania Electric Company.

Before the Pennsylvania Public Utility Commission, on power purchase agreement terms related to the Harrisburg Steam Works rate case and the impact of changes to these terms; Dockets P-00950915 & R-00953346, September 1995. Retained by PP&L.

Before the New York Public Service Commission, on the fixed and variable costs of the Sithe/Independence power plant and whether retail sales by that plant constituted economic bypass, case No. 94-E-0136, July 1994. Retained by Niagara Mohawk Power Corporation.

Before the United States District Court, Southern District of New York, on the issues of non-utility generation project development and project feasibility in a dispute related to a power purchase agreement, *State Line Power Associates Limited Partnership v. Orange and Rockland Utilities*, 92 Civ. 5755, 1994. Retained by Orange and Rockland Utilities.

Before the State of California, San Francisco Superior Court, on behalf of Pacific Gas & Electric Company on issues of non-utility project feasibility and extent of lost profit damages resulting from allegedly breached power purchase agreements; Power Producers Dispute Cases (Judicial Council Coordination Proceeding No. 2654; Contra Costa Superior Court No. C90-05398; San Francisco Superior Court No. 929-870), May 1994. Retained by PG&E.

Before the State of California, Public Utilities Commission, on the use of regulatory-out, market-out, and termination provisions in the California Final Standard Offer 4 power purchase agreements; Final Standard Offer Number 4, Docket No. I.89-07-004, May 1992. Retained by PG&E.

Before the State of Michigan, Circuit Court, Iron County, on the level of damages resulting from Indeck's alleged breach of a contract to develop an industrial cogeneration project, *AGA Corporation et al. v. Indeck*, Case No. I-88-3985-CK, December 1990. Retained by Indeck Energy.

Publications, speeches, and media coverage

“Competition [in Ireland] to Flow from Single Market and Restructured Electricity Supply Board” in *Platt’s European Electricity Review*; June 2005.

“Reaping the Benefits of Electricity Industry Reform: Defining and Limiting the Use of Price Controls” in *PA Viewpoint*; February 2005.

“Margadh Aibhléise na hÉireann: A New Electricity Market for Ireland” in *The Electricity Journal*; January/February 2004.

“An Emerald Market? A New Electricity Market for Ireland” in *Power Economics*; 5 December 2003.

“Implementing the New Irish Electricity Market,” with C. Mannion of CER; presented at the SMi Irish Energy conference; Dublin; 28 November 2003.

“Regulated Businesses: Maximizing Shareholder Value through Active Management” in *PA Viewpoint*; January 2003.

“Will There Be Trouble Ahead?” article assessing the future for the Australian electricity market in *Electricity International*; July 2002.

“Privatization and Deregulation - Moving from Monopolies to Markets” in *PA Viewpoint*; January 2002.

“The Role of Retailers in the Spot Market,” presentation at the Association of Energy Service Professionals (AESP) Annual Meeting; Jacksonville, FL; 5 December 2001.

“Texas Electricity Market: Opportunities for Competitive Energy Markets,” presented at Power Markets 2002: Energy Policy and its Impact on Energy Markets; Washington, DC; 16-17 October 2001.

“Super RTOs - How will FERC Win the West?” given at the Western Power Trading Forum; Stevenson, WA; 5 October 2001.

“An Uncertain Path—Asian Electricity Reform in the Wake of the California Market Failure” with M. Crosetti and J. George of PA Consulting Group, in *Power Engineering International*; September 2001.

“2001 U.S. National Energy Policy,” presented at Energy Policy and the Electric Power Industry: Balancing Energy Needs and Environmental Concerns; held by the Energy & Mineral Law Foundation; Cincinnati, OH; 10-11 September 2001.

“Vesting Contracts: A Transition Tool” in *The Electricity Journal*; July 2001.

“Bush’s National Energy Policy” in *Power Economics*; July/August 2001.

“Ownership and Risk Management: The Case for Privatization,” presented at the Queensland Power & Gas Conference; Brisbane, Queensland; 24 May 2000.

“The U.S. Experience with Nodal Pricing” & “The NZ Experience with Nodal Pricing,” presented at the National Electricity Code Administrator (NECA) Forum on the Scope for Integrating the Energy Market and Network Services; Sydney, New South Wales; 22 November 1999.

“International Experience in Nodal Pricing: Focus on Market Power,” given at the IBC Nodal Pricing One-Day Update; Sydney, New South Wales; 14 March 2000.

“Integrating Energy Markets and Network Services,” presented to the Victorian government, South Australian government, Queensland government, National Generator Forum, Australian Cogeneration Association, and Electricity Retailers Association; Australia; December 1999.

“Draft Regulatory Test for New Interconnectors and Network Augmentations,” presented to Commissioners and Staff of the Australian Competition and Consumer Commission (ACCC); Canberra, Australian Capital Territory; 21 October 1999.

“Electricity Supply Industry Reform,” seminar for NSW Democrat Members of Parliament; Sydney, New South Wales; 9 September 1999.

“South Australian Vesting Contracts,” presentation to Commissioners and Staff of Australian Competition and Consumer Commission; Sydney, New South Wales; 25 June 1999.

“Economic Purchasing and the PNG Pipeline,” presented to the Infrastructure and Economic Policy Committee, Queensland Premier and Cabinet offsite meeting; Toowoomba, Queensland; 9 May 1999.

“Market Power or Market Structure? – UK Electricity Market Review,” presented at the Electricity Supply Association of Australia Regulation Conference; Melbourne, Australia; 23 February 1999.

“Competition Policy and the Electricity Supply Industry,” given at the Australian Labor Party Member of Parliament Seminar; Melbourne, Victoria; 16 February 1998.

“Stranded Purchases? Non-Utility Power Contracts and Utility Industry Deregulation;” article in *PHB Insight*; November 1995.

“Determination of Damages in Cogeneration Claims,” given at the IGT Power Sales Contracts in the Industry Restructuring Environment Conference; Chicago; 28 September 1995.

“Electric Utility Restructuring: Long- & Short-Term Impact on the Natural Gas Industry,” presented at IGT Outlook for Natural Gas conference; Houston, TX; 11 September 1995.

“Still a Lot to Learn About Power Sales;” in *Private Power Executive*; September/October 1993.

“Independent Power, Over-Capacity and Disallowances: A New Regulatory Compact?” given at the Electricity Generation for the 21st Century Conference; Denver, CO; 25 June 1993.

“Risk-Shifting and Hidden Costs in Purchasing Non-Utility Power,” presented at the Power-Gen 92 Conference; Orlando; 18 November 1992.

“Carbon Taxes: Impact on the Electric Utility Industry,” presented to the Edison Electric Institute Taxation Committee; New Orleans, LA; 10 November 1992.

“Strategies for an Evolving Generation Industry,” presented at the EEI/AGA Financial Planning for Public Utilities Conference; Chicago, IL; 18 May 1992.

“Designing Successful Bidding Programs,” faculty presentation for a course on Competitive Bidding for Power Contracts; San Francisco - 7 October 1991 and New York City - 20 May 1991.

“Recovery of Indirect Costs of Transmission Services: Case Studies,” presented to the Edison Electric Institute; Washington, DC; February 1991.

“Pumped Hydro: The Solution?” in *Cogeneration and Resource Recovery*; November/December 1990.

“Bid Policies Overhauled;” with P. Fox-Penner, in *Cogeneration and Resource Recovery*; November/December 1990.

“Strategies for an Evolving Generation Industry” in *Public Utilities Fortnightly*; 27 September 1990.

“Independent Power Joint Ventures,” presented to the Management Exchange conference on IPP Contracts and Agreements; Washington, DC; 20 June 1990.

“Small Cogeneration Economics: A Risk Management Approach” in *Cogeneration Journal*; March 1987.