

PETER A. BRADFORD
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PROFESSIONAL EXPERIENCE:

March 1998 – present – Adjunct Professor, Vermont Law School

Teaching course on “Nuclear Power and Public Policy” and other classes; participating in VLS Energy Law Center programs

March 2011 – present – Commissioner, Texas-Vermont Low-Level Radioactive Waste Compact Commission,

One of two Vermont commissioners on this two-state compact

March 1996- present - consultant on energy and utility regulatory policy

Advising and teaching utility regulation, restructuring, nuclear power and energy policy in the U.S. and abroad. Has been a visiting lecturer in energy policy and environmental protection at Yale University. Served as a member and cochair on Vermont’s 2008-10 Public Oversight Panel on the Comprehensive Reliability Audit of the Vermont Yankee nuclear power plant; Served on a 2007 Keystone Center fact finding collaboration on nuclear power and a 2006 National Academy of Sciences panel evaluating the alternatives to continued operation of the Indian Point nuclear power plants in New York. Also affiliated with the Regulatory Assistance Project, which provides assistance to state and federal energy regulatory commissions regarding economic regulatory policy and environmental protection.

Has advised on regulatory and restructuring issues and has testified on aspects of electricity and telecommunications regulation in many U.S. states. In recent years (2007-present) has testified in proceedings in Indiana, Florida, North Carolina and South Carolina.

International - Taught and/or advised abroad on energy and water issues and electric restructuring in China, Canada, Armenia, Russia, India, Indonesia, Kazakhstan, Kyrgyzstan, Czech Republic, Mongolia, St. Lucia, Kosovo, South Africa, Georgia, Trinidad and Tobago and Samoa. Member, Policy Advisory Committee of the Packard Foundation’s China Sustainable Energy Project. Served as one of two U.S. representatives on international panel advising European Bank for Reconstruction & Development on least cost alternatives in Ukraine to continued operation of the Chernobyl Nuclear Station (1996-97) and on an international expert panel assessing the safety of the Mochovce Nuclear Power Station in Slovakia (1998);

February 1995 - March 1996 Fellow, **Regulatory Assistance Project**

Project funded by the U.S. Dept. of Energy, the Environmental Protection Agency and foundations to provide assistance to state and federal regulatory commissions on energy and environmental matters.⁸

June 1987- January 1995 Chairman, **New York State Public Service Commission**, Albany, New York

CEO of state agency charged with overseeing \$29 billion annual revenues of New York utilities. Responsible for developing and implementing consumer and environmental protection policies, transitions from monopoly to competition in energy and telecommunications industries. 700 employees, \$65 million budget.

July 1982- June 1987 Chairman, **Maine Public Utilities Commission**, Augusta, Maine

CEO of state agency charged with overseeing \$2 billion annual revenues of Maine utilities. Responsible for developing and implementing consumer and environmental protection policies, including competitive bidding for independent power production and energy conservation services as well as adjusting to the break-up of AT&T. 60 employees, \$4 million budget.

March 1982-June 1982 **State of Maine Public Advocate**

First full-time Maine public advocate; intervened on consumers' behalf in telephone and electric cases; oversaw staff of 6; prepared briefs; cross-examined witnesses.

Aug. 1977-March 1982 Commissioner, **United States Nuclear Regulatory Commission**, Washington, D.C.

One of five commissioners of the federal agency whose responsibilities include safety of nuclear power plants and other nuclear facilities; preparing licensing criteria for a nuclear waste repository; licensing exports of nuclear fuel and reactors pursuant to Nuclear Nonproliferation Act; assisted in major upgrades of regulatory and enforcement processes in wake of Three Mile Island accident. 3000 employees, \$250 million budget.

Dec. 1971-Aug. 1977 Commissioner, **Maine Public Utilities Commission, Chairman** (9/74-7/75).

Sept.1968- Dec. 1971 **Federal-State Coordinator**, State of Maine

Responsible for many oil, power, environmental and housing matters. Assisted in preparation of landmark Maine laws relating to oil pollution and industrial site selection. Staff Director, Governor's Task Force on Energy, Heavy Industry and the Coast of Maine.

Aug. 1964-June 1965 **Athens College, Greece, Teaching Fellowship**

PROFESSIONAL AFFILIATIONS:

1999-present - Member, Policy Advisory Committee, China Sustainable Energy Project (funded by the David and Lucille Packard Foundation and the Energy Foundation).

1998-2002 - Member, Advisory Council, New England Independent System Operator
Nov. 1986-Nov. 1987 President, National Association of Regulatory Utility Commissioners

1977-1995 NARUC positions, Member, Executive Committee; Member, Electricity Committee (1977-1989); Member, Gas Committee (1989-1993); Member, Communications Committee (1975-1977); Board of Directors, National Regulatory Research Institute (1985-1987).

1975-1977, 1982-1986. Advisory Council, Electric Power Research Institute
1987-1995, Member of New York State Energy Planning Board
1987-1995, Member, Board of Directors, New York State Energy Research and Development Administration
1987-1995, Member, New York State Environmental Board;
1987-1995, Chair, New York State Energy Facilities Siting Board
1992-1994, State co-chair, New York State Task Force on Telecommunications Policy
Vice-chair, Board of Directors, Union of Concerned Scientists

EDUCATION:

1964 *B.A.* History, Yale University, New Haven, CT
1968 *L.L.B.*, Yale University School of Law, New Haven, CT

PERSONAL:

Married (Susan Symmers Bradford)
Three children (Arthur, Laura, Emily)

PUBLICATIONS of Peter A. Bradford

Books

Fragile Structures: A Story of Oil Refineries, National Security and the Coast of Maine, 1975, Harpers Magazine Press.

Law Review

Maine's Oil Spill Legislation, Texas International Law Journal, Vol.7, No.1, Summer 1971, pp.29-43.

Other Published Work

After-math: Fukushima, Three Mile Island and Nuclear Power's U.S. Prospects, ABA Energy Committees Newsletter, June 2012, p. 12,
http://www.americanbar.org/content/dam/aba/publications/nr_newsletters/energy/201206_energy_authcheckdam.pdf;

The Nuclear Landscape, *Nature*, March 8, 2012, p. 151,
<http://www.nature.com/nature/journal/v483/n7388/full/483151a.html>;

"Taxpayer Funding for Nuclear Power: Issues and Consequences", Chapter 5 of Nuclear Power's Global Expansion: Weighing Its Risks, Henry Sokolski, ed.

http://www.npolicy.org/userfiles/image/Taxpayer%20Financing%20for%20Nuclear%20Power,%20Precedents%20and%20Consequences_pdf.pdf;

Book review, *The End of Energy*, *The Wall Street Journal*, May, 2011;

Remarks, Memorial for Alfred Kahn, Ithaca, New York, June 25, 2011 -

<http://www.hks.harvard.edu/hepg/Papers/2011/FredKahn0611.pdf>

Nuclear Power's Search for the Taxpayer's Wallet, Blue Ridge Press, November, 2010.

Honey, I Shrunk the Renaissance: Nuclear Revival, Climate Change and Reality, Electricity Policy.com, October, 2010;

Minnesota's Nuclear Moratorium, Twin Cities Pioneer Press, March 3, 2010,

http://www.twincities.com/alllistings/ci_14506848?source=rss;

The Nuclear Renaissance Meets Economic Reality, Bulletin of the Atomic Scientists, November-December 2009, www.vermontlaw.edu/Documents/IEE/20100109_bradfordArticle.pdf;

Massive Nuclear Subsidies Won't Solve Climate Change, Madison Capitol Times, November 3, 2009, http://host.madison.com/ct/news/opinion/column/guest/article_37b3c6b1-dff6-5ef1-a21c-8a511e278961.html;

Nuclear Agency Needs Independent Appointees, Atlanta Journal Constitution, September 17, 2009, <http://www.ajc.com/opinion/nuclear-agency-needs-independent-140954.html>

Three Mile Island: Thirty Years of Lessons Learned, Subcommittee on Clean Air and Nuclear Safety, U.S. Senate, March 24, 2009;

Nuclear Power and Presidential Politics, Blue Ridge Press, October, 2008

Recent Developments Affecting State Regulation of Nuclear Power, Regulatory Assistance Project Issueletter, July, 2008

Nuclear Power, Taxpayer Financing and Radical Governance: Precedents and Consequences, for the Nonproliferation Policy Education Center, April, 2008;
Contribution to New York Times Forum "Choking on Growth: China and the Environment", New York Times Online, November 20, 2007,
<http://china.blogs.nytimes.com/2007/11/20/answers-from-peter-bradford/#more-24>;
Contributions to the Bulletin of the Atomic Scientists online forum on Nuclear Power and Climate Change, (with Amory Lovins and Stephen Berry),
<http://www.thebulletin.org/roundtable/nuclear-power-climate-change/>, March-August, 2007;
The Economics of Nuclear Power (with Steven Thomas, Antony Froggatt, and David Millbrow) for Greenpeace International, May, 2007;
Assessing Iran's Nuclear Power Claim, (Proliferation Analysis, Carnegie Endowment for International Peace, January, 2007;
<http://www.carnegieendowment.org/publications/index.cfm?fa=view&id=18951&prog=zgp&proj=znpp>);
Nuclear Power's Prospects in the Power Markets of the 21st Century, for the Nonproliferation Policy Education Center, February, 2005;
China's National Energy Plan: Some Energy Strategy Considerations, (with Thomas Johansson) The Sinosphere Journal, Spring 2004;
Some Environmental Lessons from Electric Restructuring, IUCN Colloquium on Energy Law for Sustainable Development, Shanghai, Winter 2004;
Where Have All the Safeguards Gone? Foreword to "Financial Insecurity: The Increasing Use of Limited Liability Companies and Multi-Tiered Holding Companies to Own Nuclear Power Plants" The Star Foundation August 7, 2002
Nuclear Power after September 11, OnEarth, December 2001.
The Unfulfilled Promises of Electric Restructuring, Nor'easter, summer 2001.
Considerations Regarding Recovery of Stranded Investment, PUR Utility Quarterly, December, 1997.
Ships at a Distance: Energy Choice and Economic Challenge, The National Regulatory Research Institute Quarterly Bulletin, Volume 18, Number 3, Fall, 1997, p. 287 (Originally the 1997 George Aiken Lecture at the University of Vermont).
Book Review: *The British Electricity Experiment - Privatization: the Record, the Issues, the Lessons*, Amicus Journal, June, 1997.
Gorillas in the Mist: Electric Utility Mergers in Light of State Restructuring Goals, The National Regulatory Research Institute Quarterly Bulletin, Spring, 1997.
Til Death Do Us Part or the Emperor's New Suit: Does a Regulatory Compact Compel Stranded Investment Recovery?, PUR Utility Quarterly, October, 1996.
Electric Bargain's Cost Is Dirty Air, Newsday, L.A. Times Features Syndicate, 4/18/96.
A Regulatory Compact Worthy of the Name, The Electricity Journal, November, 1995, pp.12-15.
Paved with Good Intentions: Reflections on FERC's Decisions Reversing State Power Procurement Processes, (with David Moskovitz), The Electricity Journal, August/September, 1995, pp.62-68.
That Memorial Needs Some Soldiers and Other Governmental Approaches to Increased Electric Utility Competition, The Electric Industry in Transition, Public Utility Reports & NYSERDA, 1994, pp.7-13.
Market-Based Speech, The Electricity Journal, September, 1994, p.85.
In Search of an Energy Strategy, Public Utilities Fortnightly, 1/15/92.

Parables of Modern Regulation, The Electricity Journal, November 1992, p.73.
 Foreword to: *Regulatory Incentives for Demand Side Management*, Nickel, Reid, David Woolcott, American Council for Energy-Efficient Economy, 1992, pp. ix-xi.
Boats Against the Current: Energy Strategy in Theory and Practice, The Electricity Journal, October, 1991, p.64.
The Shoreham War Has Got to End Now, Newsday, 5/9/89;
Parallel to the Nuclear Age, Yale University 25th Reunion book, 1989;
 Book Review: *Safety Second, A Critical Evaluation of the Nuclear Regulatory Commission's First Decade* IEEE Spectrum, February, 1988, p.14.
Somewhere Between Ecstasy, Euphoria and the Shredder: Reflections on the Term 'Pronuclear', Journal of the Washington Academy of Sciences, Vol.78, no.2, June 1988, pp. 139-142;
 Book Review: *Power Struggle: The Hundred Year War Over Electricity*, Amicus Journal, Winter 1987, pp. 46-47;
Wall Street's Flawed Evaluation of State Utility Regulation, Bangor Daily News, Sept. 3, 1984;
Reflections on the Indian Point Hearings, New York Times, 1/83;
Paradox and Farce: Trends in Federal Nuclear Energy Policy Los Angeles Times, June 6, 1982;
Keeping Faith with the Public, Nuclear Safety, March-April, 1981;
Regulation or Reassurance, Washington Post, August 16, 1979;
Report of the Governor's Task Force on Energy, Heavy Industry and the Maine Coast, 1972;
A Measured Response to Oil Port Proposals, Maine Times, July, 1971.

Other Papers

The Nexus between Energy Sector Reform and Democracy & Governance (co-lead author), for USAID, February, 2005;
Public Interaction in the Georgian Energy Regulatory Process: Case Study for the USAID Project on the Nexus between Democratic Governance and Energy Sector Reform, April, 2004;
Report on the Establishment of the State Energy Regulatory Commission of China (with David Moskovitz, Richard Weston and Wayne Shirley) for the Energy Foundation and the World Bank, January, 2003;
A Plan of Action for a Multisector Regulatory Commission in Armenia, for USAID, February 2003.
Economic Regulatory Issues in the Armenian Water Supply and Wastewater Treatment Sectors, for USAID, January 2003;
Some Potential Approaches to the Enforcement of License Conditions and Regulatory Orders in Armenia, for USAID, June 2002
The Process of Auditing Utilities: A Primer for the Energy Regulatory Commission of Armenia, for USAID, June 2002
Some Potential Approaches to the Difficulties of Enforcement of License Conditions and Regulatory Orders in Georgia and Other NIS Countries, for USAID, December 2000.
Public Interaction in the Georgian Energy Regulatory Process, for USAID, September 2000.
Regulatory Policy and Energy Efficiency: Considerations for Tariff Setting and Licensing, for USAID, April 2000.
Public Interaction in the Armenian Regulatory Process, for USAID, July 1999.
The License as an Instrument for Regulation and the Furtherance of Competition in the N.I.S., for USAID, September, 1998.

Applicability of U.S. Administrative Law Concepts to Regulatory Systems in the Newly Independent States, for USAID, June 1998.

Performance-Based Regulation in a Restructured Electric Industry, (with Bruce Biewald, Paul Chernick, Susan Geller, Jerrold Oppenheim and Tim Woolf) for the National Association of Regulatory Utility Commissioners, November 1997.