

## Michael Hill Dworkin, Esq.

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### EDUCATION

1975-78	Harvard Law School	J.D. <i>cum laude</i>
1971-73; 74-75	Middlebury College	B.A. <i>summa cum laude</i> , Salutatorian & Atwood Prize for History

### PROFESSIONAL HISTORY

2005-present Professor of Law & Director,  
Institute for Energy and the Environment  
Vermont Law School  
South Royalton, Vermont

Vermont Electric Power Company (VELCO)  
Board of Directors 2012 - present

Vermont Energy Investment Corporation (“Efficiency Vermont”)  
Board of Directors 2008 – present

Adjunct Professor and Ph. D. Advisor  
Engineering and Public Policy Program,  
Carnegie-Mellon University 2006 – present

Visiting Professor (Global Energy Justice)  
Middlebury College Winter Term  
January –February 2018

CEREL Visiting Professor of Law  
Te Piringa Faculty of Law (*See Attachment G*)  
University of Waikato  
Hamilton, New Zealand 2013: February-July

Visiting Professor of Law  
University of Houston Law Center  
Houston, Texas 2013: January-February

Electric Power Research Institute  
Board of Directors 2006 – 2011  
(Executive Committee 2009 – 2011)

American Council for an Energy Efficient Economy  
Board of Directors 2006 - 2011

1999 – 2005      Chairman  
Vermont Public Service Board (*See Attachment A*)  
112 State Street  
Montpelier, Vermont

                            Chair (2003-2005)  
                            Committee on Energy Resources and the Environment  
                            National Association of Regulatory Utility Commissioners

                            Board of Directors (2003-2005)  
                            National Association of Regulatory Utility Commissioners

                            Board of Directors (2002-2004)  
                            Electricity Innovation Institute

                            Advisory Council 2003- July 2006  
                            Electric Power Research Institute

                            President (2001-2002)  
                            New England Conference of Public Utility Commissioners

1995-1999      General Counsel, Senior Vice President & Management Partner  
Riser Management Systems, L.P. (*See Attachment B*)  
Burlington, Vermont

1992~2005      Adjunct Professor / Lecturer  
Vermont Law School (Courses '92, '93, '97; Lectures '95, '96, '05)  
South Royalton, Vermont

1988-1995      General Counsel  
Vermont Public Service Board

1984-1988      Communications Counsel  
Vermont Public Service Board

1979-1984      Attorney: Appellate Litigation  
U. S. Environmental Protection Agency, Office of General Counsel  
401 M Street, S.W., Washington D.C.

1978-1979      Law Clerk, Honorable Catherine Kelly  
District of Columbia Court of Appeals  
Judiciary Square, Washington D.C.

## **HONORS**

- 2016** Vermont Law School Annual Richard Brooks **Award for Outstanding Scholarship**
- 2008 National Association of Regulatory Utility Commissioners  
Committee on Energy Resources & the Environment:  
**“Kilmarx Award for Contributions to Good Government, Clean Energy and the Environment”**
- 2003: John F. Kennedy School of Government  
**Innovations in American Government Award to Vermont Public Service Board and “Efficiency Vermont”**  
(One of 5 awards selected from 1,500 nominees:  
\$100,000 grant to publicize and replicate the program).
- 1982: **U.S. EPA Bronze Medal:** "For outstanding service to the protection of human health and the environment in development and implementation of regulations governing the incineration of hazardous wastes."

#### **SELECTED DECISIONS**

See Attachment C

#### **SELECTED PUBLICATIONS**

See Attachment D

#### **SELECTED PRESENTATIONS, TRESTIMONY, AND DISCUSSIONS**

See Attachment E

#### **SPECIAL POSITIONS & MEMBERSHIPS**

See Attachment F-1 / F-2

#### **BAR ADMISSIONS**

Vermont (1984-present).

District of Columbia Court of Appeals (1979 -1985), currently inactive status

United States Court of Appeals for the Third Circuit (1983), currently inactive status.

**ATTACHMENT A: VERMONT PUBLIC SERVICE BOARD**

**1999- 2005**

As Chairman of Vermont's utility regulatory commission, I was responsible for the terms, conditions of service, and environmental aspects of more than \$ 1.1 billion in annual utility expenses. For representative work-product, see "**Attachment C: Selected Decisions.**"

The core of this work was a complex litigation docket, involving well over a hundred contested-cases each year. I managed an annual budget of over \$2.6 million and oversaw a staff of 26 Hearing Officers, lawyers, economists, engineers, environmental specialists and support staff. I was also responsible for more than a dozen contracts, including professional service contracts, accounting and auditing contracts for several million dollars of utility 'universal service' funds, and up to \$17.5 million per year for acquisition and delivery of energy efficiency resources.

My primary duties as Chairman of the Public Service Board were:

- 1) to conduct trial-like hearings, pursuant to the Vermont Rules of Civil Procedure and of Evidence (lightly modified by the Board's procedural rules),
- 2) to act as an appellate judge, reviewing the trial-like decisions of the Hearing Officers through consideration of the record, briefs filed by parties, and oral argument, and
- 3) to manage the 26 FTE personnel and ca. 100 litigants in the PSB 'court system' so that a hundred or more cases per year were resolved efficiently, predictably, and fairly.

My secondary duties included:

- 1) exercise of the Board's rulemaking authority,
- 2) responses to legislative inquiries and requests for testimony,
- 3) oversight of the Board's administrative needs, including the Clerk's office, exempt and classified personnel, budgeting and fiscal control and,
- 4) representing Vermont's interests before regional bodies and Federal agencies.

Significant achievements in Vermont's utility world while I was Chairman included:

1. Lowering the burden of electricity costs for Vermont residents and businesses:  
Vermont had 2d-highest electric rates in the seven north-eastern states in 1999 and improved to having the lowest such rates by mid-2005. The burden of Commercial & Industrial electric costs went down from 1.9% of Gross State Product to less than 1.6%. Residential electric bills dropped from 3.9% of disposable personal income to 3.3%.
2. Keeping pollution extraordinarily low:  
Carbon, sulfur, mercury and particulate emissions from electricity generation for Vermont are at lowest levels (absolute and per-capita) of all U.S. states.

3. Launching and sustaining a state-wide energy-efficiency program recognized for excellence: The Kennedy School awarded \$100,000 to Efficiency Vermont in 2003 as one of the five best governmental programs in the United States. Savings are over \$6 million per year, and rising.
4. Requiring an independent engineering assessment of Vermont Yankee Nuclear Power Station, leading to unprecedented Nuclear Regulatory Commission evidentiary hearing and investigation of power-uprate. News media called it a “near-miracle” that all parties praised the Board decision.
5. Rejecting offers to buy the Vermont Yankee Nuclear Power Station until the price rose from \$8 million to \$180 million, with a stable power purchase contract priced well below market. The effect is to save Vermonters 4% per year on their electricity bills for twenty years.
6. Ending the prospects of imminent bankruptcy, which had stressed Vermont’s electric utilities from 1998 to 2001.
9. Deciding cases swiftly, but with the best appellate record in fifty years.  
Reduced open dockets from 175 in 1999 to 79 in 2005 despite increased filings.  
Of eighteen cases appealed, the Vermont Supreme Court remanded or reversed only one.
10. Reducing telecommunication charges to Vermonters by 20% – saving Vermonters almost \$200 million (\$30 million in 2001 and \$40 million for each of the next four years).
- 11 Increasing the proportion of Vermonters with the option to buy high-speed telecom and cable-broadband services from virtually zero in 1999 to more than 75% of Vermonters by 2004. This was despite Adelphia Cable’s nationwide bankruptcy and Verizon’s national DSL deployment freeze.
12. Winning major matters before Federal agencies. These included:
  - \* Better tests of market-power control for wholesale electric markets.
  - \* Governance rules for New England’s Regional Transmission Organization.
  - \* Obtaining federal funds of \$ 23.1 million per year for Vermont telecom services.
  - \* Stopping the merger of the New England electricity system into the New York Transmission Organization.
13. Bringing Public Service Board expense-budget in *under* target for 6 years in a row (averaging 4 - 5% below an annual budget of \$2.3 to \$2.6 million).

## **ATTACHMENT B: RISER MANAGEMENT SYSTEMS**

From 1995 to 1999 I was a management partner in Riser Management Systems, L.P., a telecommunications engineering and consulting firm specializing in meeting the needs of the owners and tenants of Class A commercial office buildings.

In those years, my partners and I built our Vermont-based company from four staff to 31 employees, while achieving an eight-fold increase in overall revenues and a twenty-fold increase in recurring revenues.

My management responsibilities included company-wide strategic planning, legal review of all contracts and corporate documents, and approval of all business issues and plans.

My work also involved revenue and cost projections, evaluations of employees' consulting performance, balancing work-force capabilities with job commitments, and coordinating hiring and expansion decisions with my partners.

I also had direct management responsibility for Riser's Consulting Division. This involved coordination, scheduling and quality control for the consulting work of fifteen engineers, lawyers and financial analysts.

Most importantly, it meant making sure that the critical business needs of more than 100 clients were clearly understood and then satisfied with speed, efficiency and accuracy.

There is no room for delay when 600 telecom lines are needed "now" to secure an anchor tenant for a half-vacant office building.

When a new 450 unit residential tower expects tenants in two months and will have its walls open for only a three-week period during its construction schedule, responsiveness and reliability are vital.

One of my management duties was making sure that Riser consistently met such challenges.

## ATTACHMENT C: SELECTED DECISIONS

1. *In re. Vermont Electric Power Company, Inc. and Green Mountain Power Corporation*, Docket No. 6860, 2005 WL 351182 (Vt. P.S.B. Jan. 28, 2005), available at <http://www.state.vt.us/psb/6860fnl012805.pdf>.

Order conditionally approving 75-mile electricity transmission project, including separate statement by Chairman Michael Dworkin

2. *In re. Entergy Nuclear Vermont Yankee, LLC*, Docket No. 6812, 232 P.U.R. 4th 219 (Vt. P.S.B. March 15, 2004), available at <http://www.state.vt.us/psb/orders/2004/files/6812fnl.pdf>.

Order conditionally approving upgrade of Vermont Yankee nuclear plant from 540 to 650 MW. Chairman

3. *In re. Department of Public Service's Request to Reduce the Amount to be Collected Via the Energy Efficiency Charge in the Year 2003*, Docket No. 6777, 222 P.U.R. 4th 521 (Vt. P.S.B. Dec. 30, 2002) (Chairman Dworkin, dissenting)

<http://www.state.vt.us/psb/orders/2002/files/6777BoardOrderandDissent.pdf>

Dissent from Order reducing size of energy efficiency program for year 2003.

Chairman

4. *Proposed Sale of Vermont Yankee Nuclear Power Corporation to Entergy Nuclear Vermont Yankee*, Docket NO. 6545, \_\_ P.u.R. 4<sup>th</sup> \_\_ (Vt. PSB June 13, 2002). Order modifying sale of nuclear power plant and long term purchase power agreement for one-third of state's power for a decade. Chairman.

5. *In re. Energy Efficiency Plan Re: Phase II*, Docket No. 5980, 196 P.U.R. 4th 476 (Vt. P.S.B. Sept. 30, 1999), available at <http://www.state.vt.us/psb/orders/document/5980phase2fnl.pdf>

Order creating Energy Efficiency Utility for Vermont.

Chairman.

6. *In re. Vermont Yankee Nuclear Power Corp. re: proposed sale of Vermont Yankee Nuclear Power Station*, Docket No. 6300, 207 P.U.R. 4th 292 (Vt. P.S.B. Feb. 14, 2001), available at <http://www.state.vt.us/psb/orders/2001/files/6300fnl.pdf>.

Denial of AmerGen Energy Company's bid to purchase Vermont Yankee nuclear power plant.

Chairman.

7. *In re. Tariff Filing of Green Mountain Power Corp.*, Docket No. 6107, 207 P.U.R. 4th 1 (Vt. P.S.B. Jan. 23, 2001), available at <http://www.state.vt.us/psb/orders/2001/files/6107final.pdf>.

Relief from potential bankruptcy, allocation of imprudent costs, restraints on unregulated affiliates, and ratepayer protection against unjust enrichment. Chairman.

8. *In re VEC and VEG&T: Order Reviewing (Im)Prudence of Power Plant Costs and Rejecting Debt Restructuring Agreement* Docket No. \_\_\_\_, (Vt. P.S.B. December \_\_, 1994).

Draftsman and principal legal advisor.

9. *In re. Least-Cost Investments, Energy Efficiency, Conservation, and Management of Demand for Energy*, Docket No. 5270, 1990 WL 666762 (Vt. P.S.B. April 16, 1990).  
Requiring integrated resource plans and utility funded energy efficiency. Hearing Officer.

10. *In re. Central Vermont Public Service Corp.*, Docket No. 5132; 83 P.U.R. 4th 532 (Vt. P.S.B. May 15, 1987).  
Disallowing cost-overruns for Seabrook nuclear plant. Drafted Board decision.

11. *National Association of Metal Finishers v. E.P.A.*, 719 F.2d 624 (3d Cir. 1983).  
Removal of most toxic heavy metals from waste water across United States. Brief and argument.



**ATTACHMENT D:           SELECTED PUBLICATIONS**

***Global Energy Justice***

Benjamin Sovacool and Michael Dworkin  
Cambridge University Press, 2014

***Rethinking the Scale, Structure and Scope of U.S. Energy Institutions***

Michael Dworkin, Roman Sidortsov and Benjamin Sovacool  
Daedalus, January 2013

***Comparative Analysis of Conventional Oil and Gas and Wind Project Decommissioning Regulations on Federal, State, and County Lands***

Changala D, Dworkin M, et al.  
Electricity Journal, (2012),doi:10.1016/j.tej.2011.12.004.

***The Environmental Dimension of Energy Security***

Marilyn A. Brown and Michael H. Dworkin  
A Chapter in: ***The Routledge Handbook of Energy Security***  
Benjamin Socolow, Editor  
Routledge Press, 2011

***The Rebirth of American Energy Efficiency,***

Michael Dworkin, Kari Twaite and Dan York  
A chapter in: ***Capturing the Power of Electric Restructuring***  
Joey Lee Miranda, Editor  
American Bar Association's Sections on State and Local Government Law and the Section on Environment, Energy, and Resources (2009)

***The Energy Trilemma in the Green Mountain State,***

John Sautter, James Landis, and Michael H. Dworkin  
Vermont Journal of Environmental Law, vol. 10, issue 3, Spring 2009

***Subsidization of Non-Renewable Energy Resources***

Elizabeth Catlin & Michael Dworkin  
(CLI Background Paper No. 5 in: RECALIBRATING THE LAW OF HUMANS WITH THE LAWS OF NATURE: CLIMATE CHANGE, HUMAN RIGHTS, AND INTERGENERATIONAL JUSTICE (Climate Legacy Initiative 2009), available at <http://www.vermontlaw.edu/x4128.xml>)

***Extending Intergenerational Equity in Electricity Regulation to Account for Climate Effects***

Christina Switzer & Michael Dworkin  
CLI Background Paper No. 4 in: RECALIBRATING THE LAW OF HUMANS WITH THE LAWS OF NATURE: CLIMATE CHANGE, HUMAN RIGHTS, AND INTERGENERATIONAL JUSTICE (Climate Legacy Initiative 2009), available at <http://www.vermontlaw.edu/x4128.xml>)

***Looking 'Round the Bend:***

***The Under-Recognized Risks of Investing in Traditional Coal-Fired Generation***

Foreword, by Michael Dworkin, in David Schlissel's:  
**Don't Get Burned: The Risks of Investing in New Coal-fired Generating Facilities**  
Interfaith Center on Corporate Responsibility (Synapse Energy Economics, Inc., February, 2008)

***Ensuring Consideration of the Public Interest in the Governance and Accountability of Regional Transmission Organizations***

Michael H. Dworkin and Rachel Aslin Goldwasser  
**Energy Law Journal**, Volume 28, No. 2 (2007) at 453

***"Old-Coal" Power Plants: Imprudent Investments?***

Michael Dworkin, Shanna Vale, and Ellen Crivella  
**Science 315, 1791b (2007)**  
DOI: 10.1126/science.315.5820.1791b

***All Hands on Deck: Recruiting Clean, Secure and Distributed Help for America's Energy Needs***

Foreword, by Michael Dworkin, in  
**Freeing the Grid: How Effective State Net Metering Laws Can Revolutionize Energy Policy**  
Network for New Energy Choices (November 2006)

***Revisiting "The Environmental Duties of Public Utility Commissions"***

(with David Farnsworth, Jason Salmi Klotz and Jason Rich)  
**VERMONT JOURNAL OF ENVIRONMENTAL LAW** (Autumn 2006)

***The Efficiency Utility: A Model for Replication?***

(with Blair Hamilton and Beth Sachs)  
European Council for an Energy Efficient Economy  
**Juried Proceedings of the ECEEE 2005 Published Proceedings (Mandelieu, France)**

***Four Years' Experience with the Nation's First Energy Efficiency Utility:***

***Balancing Resource Acquisition and Market Transformation Under a Performance Contract***  
(with Blair Hamilton)  
American Council for an Energy Efficient Economy  
**Juried Proceedings of the ACEEE 2004 Summer Study Conference on Energy Efficiency**

***The Environmental Duties of Public Utility Commissions***

(with David Farnsworth and Jason Rich)  
**18 PACE ENVIRONMENTAL LAW REVIEW 325 (2001)**

***Wired for Profit: The Property Management Professional's Guide to Capturing Opportunities in the Telecommunications Market***

(with Andrew Montroll, Esq., and Stephen Huffaker, RCDD)  
**Building Owners and Managers Association International**  
118-page book. First Edition, 1998; Second Edition, 1999

***Communications & Cabling***

**Buildings Magazine**, February 1999

*Building Owners Respond to Changing Telecom Environment*  
**New York Real Estate Journal**, March 17-30, 1998

*Saving Blood and Money Through Consensus Building*  
**Electricity Journal**, vol. 8, no. 2, March, 1995

*Where Do We Go From Here? Securing Least-Cost Resources Under the Gun of Time*  
**Juried paper published in NRRI Biennial Regulatory Information Conference**  
Columbus OH, September 13, 1990

*A New Social Contract: Vermont's Image of the Future*  
**Telecommunications Abstracts Annual for 1988** Bowker A&I 1989

*"The Law is Changing"*, Chapter VII of **New Opportunities, New Challenges**,  
The Governor's Telecommunications Commission Montpelier VT, January 1986

*State Regulators, State Competitors* (with V. Louise McCarren) in  
**THE NEW TELECOMMUNICATIONS ERA**  
(Herbert Forrest and Richard Wiley, eds., Practising Law Institute 1985)

## **ATTACHMENT E: SELECTED PRESENTATIONS, TESTIMONY & DISCUSSIONS**

***Round Table Commenter: Power Shift, Regulating the Evolving Electricity Sector***  
***Duke Harvard UNC Consortium***  
***Washington DC*** ***February 11, 2018***

***Opening Speaker Legislative Panel on “The Utility of the Future”***  
***Vermont Climate Economy Conference***  
***Montpelier VT*** ***September, 2017***

***Closing Speaker Legislative Panel on Technical Potentials and Expected Installation Rates***  
***Vermont Climate Economy Conference***  
***Montpelier VT*** ***September, 2017***

***Panel Moderator, Renewable Energy Vermont Annual Conference***  
***Burlington, VT*** ***October, 2017***

***Panel Moderator, Vermont Journal of Environmental Law***  
***National Security and Reliability of the Grid,***  
***South Royalton, VT*** ***October, 2017***

***Divestiture of State-Managed Funds in Coal and Petroleum Stocks***  
***WDEV Radio Interview***  
***Montpelier VT*** ***March 8, 2016***

***Five-year Stock Price Comparisons of High-Fossil Stock Holdings***  
***Testimony for Vermont Legislature’s Joint Government Operations Committees***  
***Montpelier, VT*** ***February 19, 2016***

***Expected Stock Values for Coal and Petroleum equity investments***  
***Briefing and discussion with Vermont State Treasurer***  
***Montpelier, VT*** ***February 16, 2016.***

***The Food – Energy – Water Nexus: Connecting Education to Practice at the Nexus***  
***16th National Conference and Global Forum on Science, Policy & the Environment***  
***Washington, D.C.*** ***January 19-21, 2016***

***American Association of Law Schools Energy and Environment Dinner***  
***Columbia University, Sabin Center***  
***New York, NY*** ***January 7, 2016***

***Resources for the Future: Leadership Tasks, Gathering the Information Needed for Decision-***  
***making on Climate & Energy Policy: The Interplay between Taxes, Subsidies and Regulations.***  
***Washington, D.C.*** ***November 18, 2015***

***Five-year Stock Price Comparisons for Vermont Law School’s High-Fossil Stock Reinvestment***

Prepared for Board of Trustees, VLS  
South Royalton, VT

October 17, 2015

***Wholesale Electricity Markets: 'Just and Reasonable' Markets for Supply and Demand Across Multiple Jurisdictions***

UK Energy Law and Policy Association  
Oxford, UK

September 10-11, 2015

***Legal Essentials for Energy Professionals***

Washington, D.C.

May 4-8, 2015

***Government and Markets and More***

Vermont State Legislature  
Montpelier, VT

April 16, 2015

***Power from the North: VT-Quebec Energy Issues***

Burlington, VT

March 23-24, 2015

?? Vermont House Committee on Energy and the Environment

Montpelier, VT

January 22, 2015

***Vermont Law's Institute for Energy and the Environment: One Model for Teaching Energy Law***

Prepared for Centers that Teach Energy Law  
Washington, D.C.

January, 3, 2015

***Panel on Energy Waste***, moderator

Vermont Journal on Energy Law Symposium  
South Royalton, VT

October 24, 2014

Environmental Law Institute and National Science Foundation

Washington, D.C.

September 22-24, 2014

High Meadows Intergenerational Leadership Exchange

Burlington, VT

September 4, 2014

***Climate and Energy Decision-Making Conference***

Carnegie-Mellon University  
Pittsburgh, PA

May 20-21 2014

University of Vermont Program in Sustainability

November 4, 2013

***Legal Essentials for Utility Executives***  
Montpelier, VT

October 7-11, 2013

**Winooski One Hydro Arbitration, expert witness**  
Burlington, VT

September 30, 2013

***Renewables Integration***

Department of Energy and Federal Energy Regulatory Commission  
Washington, D.C.

August 19-29, 2013

***Three Choices for "Success at Scale" in a State-Wide Energy Trilemma***

International Union for the Conservation of Nature  
Hamilton, NZ

June 24-28, 2013

***Carbon Capture and Sequestration Issues in the United States***

Government of New Zealand Ministry of Business and Innovation  
Wellington, NZ

May 15, 2013

***Energy Efficiency and Our Trilemma***

Environmental Planning Post Graduate Seminar, University of Waikato  
Hamilton, NZ

May 6, 2013

***Energy Policy In a Carbon-Constrained World***

Faculty of Law, Monthly Seminar, University of Otago  
Dunedin, NZ

April 23, 2013

***A Statute ? And A Choice: Making Hard Decisions About Energy***

Course on Public Policy and Governance, University of Waikato  
Hamilton, NZ

April 18, 2013

***Three Choices About Vermont's Energy Trilemma***

Center for Energy Resources and Environmental Law, University of Waikato  
Hamilton, NZ

April 8 2013

***Energy Choices for A Balanced Society***

University of Waikato Public Lecture Series (four lectures in addition to course)  
Hamilton NZ

April 5, 2013

***The Nuts and Bolts of Teaching: How They Intertwine***

Forum on Teaching Energy and the Environment, Vermont Law School  
South Royalton, Vermont

July 19 and July 20, 2012

**Expert Witness for Vermont Department of Public Service:**

Direct Testimony, Rebuttal Testimony, Examination, and multiple meetings with parties, re  
VELCO Governance Issues arising from the proposed Merger of Central Vermont Public Service  
and Green Mountain Power Q4 2011 to Q2 2012

***Lessons and Potentials: Quasi-judicial Procedures for Health Care Regulation***

Green Mountain Health Care Board

Montpelier, Vermont

March 12, 2012

***The Regulatory Relationships Required for the 21<sup>st</sup> Century Electricity Industry***

National Electricity Forum

Washington DC

February 8, 2012

***Vermont Yankee: The District Court's Decision***

Vermont Edition, Vermont Public Radio

January 23, 2012

***Justice and Climate Change – Faithful Action***

Vermont Interfaith Power and Light Conference Vermont Law School,

South Royalton, Vermont

November 16, 2011

***Merger Of CVPS, GMP Parent Began More Than A Year Ago***

Vermont Edition, Vermont Public Radio

September 29, 2011

***Fortis Calls Gaz Metro Bid for CVPS “Hostile”***

Vermont Edition, Vermont Public Radio

June 29, 2011

***Energy Efficiency and the Rebound Effect***

Center for Climate and Energy Decision Making

Washington, D.C.

June 27-28, 2011

***Energy Efficiency: Why, How, Who and Where*** (Panel Moderator and Lead Presentation)

Earth Week Kick-off Panel, Vermont Law School Environmental Law Society

South Royalton, Vermont

April 19, 2011

***Commitments & Expectations: Entergy's Challenge to Vermont re Vermont Yankee***

Morning Edition, Vermont Public Radio

South Royalton, Vermont

April 19, 2011

***Utility Regulation: Lessons for Health Care Reform***

Committee on Government Operations, Vermont State Senate

Montpelier, Vermont

April 6, 2011

***Utility Regulation as a Model for Health Care Reform***

Committee on Health Care, Vermont State Senate

Montpelier, Vermont

March 29 2011

***The Vermont Public Service Board: Lessons for Health Care Regulation?***

Committee on Health Care, Vermont State Senate  
Montpelier, Vermont March 22, 2011

***The Public Service Board as a Dispute Resolution Model for Health Care***  
Committee on Government Operations, Vermont House of Representatives  
Montpelier, Vermont March 11, 2011

***The Public Service Board: a Dispute Resolution Model for Health Care?***  
Committee on Health Care, Vermont House of Representatives  
Montpelier, Vermont March 8, 2011

***Carbon Capture and Sequestration: Key Liability Decisions***  
Engineering & Public Policy Program, Carnegie-Mellon University  
Pittsburgh, PA February 15, 2011

***Cross-Cutting Lessons and Closing Observations***  
Atlantic Energy Efficiency Workshop  
University of California Berkeley, CA February 11-12, 2011

***Energy Efficiency as a Resource: Leveling the Playing Field for a Prism of Resources***  
Energy Efficiency Summit 3  
Electric Power Research Institute, Washington, D.C. November 2, 2010

***Resolving the Legal and Regulatory Challenges to Geologic Sequestration of CO2  
Accounting for CO2 in Geologic Sequestration (Panel Chair)***  
CCS Regulation Project Presentation Workshop  
Hall of the States, Washington, DC October 26, 2010

***Resolving the Legal and Regulatory Challenges to Geologic Sequestration of CO2  
Long-term Stewardship and Liability (Lead Presentation)***  
CCS Regulation Project Presentation Workshop  
Hall of the States, Washington, DC October 25 2010

***American Judicial Review: Classic Roots, Modern Practice (Lead Discussant)***  
Middlebury College Forum Honoring 40 Years of Murray Dry's Professorship  
Middlebury, Vermont October 23, 2010

***Energy, Land Use for Renewable Generation and Regional Governance Structures***  
Vermont Law School Colloquium on Environmental Scholarship (Panel Moderator)  
South Royalton, Vermont October 22, 2010

***Comparing Renewable Portfolio Standards and Decommissioning Funds (commenter)***  
Renewable Electricity (Renew-Elec) Doris Duke Charitable Foundation Workshop  
Carnegie Mellon University, Pittsburgh PA October 21, 2010

***Vermont Law and Energy: Futures for Our Students, Our School and Our World***



NH Chapter of VLS Alumni Association  
Grafton, NH

September 19, 2010

***Energy & the Environment: Building an Institution for Serious Teaching & Research***

Science Technology & Policy Institute  
Washington, DC

September 13, 2010

***The Nuts and Bolts of Teaching How Energy and Environment Intertwine***

Environmental Law Center: Annual Meeting of Advisory Committee  
South Royalton, Vermont

September 11, 2010

***Doctoral Thesis Examination Of, And Defense By, R. Lee Gresham (VLS JD 2006)***

Carnegie Mellon University Program in Engineering and Public Policy  
Pittsburgh, PA

August 26, 2010

***The "Efficiency Summit" and Next Steps for Prism 2.0***

Briefing for the Board of Directors  
Summer Meeting of the Electric Power Research Institute  
Chicago, IL

August 3, 2010

***Teaching Energy With an Environmental Awareness***

Third Vermont Law School Workshop for Multiple Law Schools  
South Royalton, VT

July 23, 2010

***"Summit Meeting 2" re Energy Efficiency Potentials and EPRI Prism 2.0***

ACEEE, NRDC, EPRI and Member Utilities Mediation & Work Session  
Chicago, IL

July 22, 2010

***Research, Design, Development and Deployment for Regulated Utilities***

Energy Resources and the Environment Committee  
National Association of Regulatory Utility Commissioners Summer Meetings  
Chicago, IL

July 19, 2010

***Environmental Justice in a Carbon-Constrained World: Our Energy Trilemma***

Environmental Justice Exchange Program  
US-China Partnership for Environmental Law  
Vermont Law School's Program for China and the Environment  
Burlington, VT

June 3, 2010

***Decision-Making for Complex Systems:***

***What Can Legal Theory and Practice Offer To Behavioral Analysts?***

Annual Meeting of the Climate Decision-Making Center  
Carnegie Mellon University Program in Engineering and Public Policy  
Pittsburgh, PA

May 19, 2010

***Public Service in a Carbon-Threatened World***

Public Service Annual Award Luncheon  
Vermont Federal Executive Association  
South Burlington, VT

May 6, 2010

***Green Governance: Energy Policy and Governance for Sustainable Societies***

Program on the Global Environment: <http://pge.chicago.edu/greengovernance>  
University of Chicago  
Chicago IL

April 24, 2010

***Emerging Issues in Transmission Reliability, the Role of LIDAR in Compliance***

T&D World Webinair

March 17, 2010

***Carbon Capture and Sequestration: Is the Solution Beneath Us?***

Joint Session: Committees on Electricity and on Energy Resources and the Environment  
Annual Meeting of the National Association of Regulatory Utility Commissioners  
Washington, D.C.

February 16, 2010

***The Water/Energy Shortage: Crisis or Opportunity?***

8<sup>th</sup> Annual Business & Society Conference  
Tuck School of Business at Dartmouth  
Hanover, NH

February 12, 2010

***Reducing Stress on the Rural Grid***

ACEEE Forum on Energy Efficiency in Agriculture  
Madison, Wisconsin

February 8, 2010

***The CCSReg Project: Liability Legislation and Recommendations***

Briefing for 40 Congressional staff, at request of Senator Casey  
Dirksen Senate Office Building  
Washington, DC

January 7, 2010

***Copenhagen, Obama's Energy Goals, and Carbon Options for the US and China***

Environmental Law Institute of Zhongnan University of Finance, Politics and Law  
Wuhan City, Hupei Province, China

December 14, 2009

***Energy Policy In the Obama Administration: Implications for Carbon Constraint and China***

Law School of Sun Yat Sen University  
Guangzhou City, Guangdong Province, China

December 11, 2009

***Power Market Reform, Resource Planning, Smart Grids and Carbon Emission Controls***

State Electricity Regulatory Commission of China: Senior Managers' Briefing  
Beijing Municipal District, China

December 8, 2009

***Security Tensions, Energy Resources, and Management of Demand***

MacArthur Foundation and National University of Singapore  
Bukit Timah Campus, Singapore

November 14-15, 2009

***Decision-making Under Uncertain Conditions: Climate Change Applications***  
***National Science Foundation Evaluation of Carnegie-Mellon Decision Analysis Proposal***  
Engineering & Public Policy Department, Carnegie-Mellon University  
Pittsburgh, Pennsylvania November 8-10, 2009

***Annual Award Ceremony Presentation: Chairman Jon Wellinghoff of the FERC***  
***Moderator of Discussion Panel***  
District of Columbia Chapter of the Vermont Law School Alumni Association  
Washington D.C. November 5, 2009

***Energy Options for A Carbon Constrained World (keynote)***  
***4<sup>th</sup> Vermont "Greening Up Your Bottom Line" Conference***  
Vermont Businesses for the Environment & Vermont Environmental Consortium  
Stowe Mountain Lodge, Stowe, Vermont October 21, 2009

***The CCS Reg Project: Options and Prospects for Carbon Capture and Sequestration***  
U.S. Environmental Protection Agency: Climate Change and UIC Division Staff  
Washington, D.C. October 19, 2009

***The CCS Reg Project: Options and Prospects for Carbon Capture and Sequestration***  
Congressional Research Service  
Washington, D.C. October 19, 2009

***Peer Review of the Energy Analysis Division of Lawrence Berkeley National Laboratory***  
University of California at Berkeley, Lawrence Berkeley National Laboratory  
Berkeley, California October 4-6, 2009

***Energy Policy for A Carbon Constrained World: An Introduction To Our Trilemma***  
Electric Power Research Institute: Lecture Series for Research Staff  
Palo Alto, California August 20, 2009

***The Nuts and Bolts of Teaching the Law of Energy and the Environment (keynote)***  
Forum on Teaching Energy Law with an Environmental Awareness  
Vermont Law School, South Royalton, Vermont July 17-19, 2009

***Teaching Energy and the Environment***  
Rocky Mountain Mineral Law Foundation Forum for Environmental Law Professors  
Chico Hot Springs, Montana May, 2009.

***Smart Grids: What Regulators Think They Are and Can Be -- And Why We should Care***  
Carnegie Mellon University: Tepper Business School & Carnegie Electricity Industry Center  
Pittsburg, PA March 10-11, 2009

***Workshops on Commercial and Residential Energy Efficiency Potentials***  
MIT Energy Innovation Project (Doris Duke Charitable Foundation Energy Project)

Cambridge, MA

March 5-6, 2009

***Decommissioning Costs for the Vermont Yankee Nuclear Power Plant***

Testimony before the House Committee on Energy and Natural Resources  
General Assembly of the State of Vermont  
Montpelier, Vermont

February 18, 2009

***Climate Change and Energy Policy***

Environmental Capstone Colloquium  
University of Florida: Levin College of Law  
Gainesville, Florida

February 12, 2009

***Lessons for Vermont in a Carbon Constrained World***

Champlain Leadership Conference: Energy Forum  
IBM Plant Facilities, Essex Junction Vermont

February 10, 2009

***Environmental Developments in Energy Law***

ALI/ABA Forum on Environmental Law  
American Law Institute / American Bar Association  
Washington, D.C.

February 5, 2009

***The CCS Project: Briefing on the Interim Report***

Doris Duke Charitable Foundation Grantee's Meeting on Climate Strategies  
Cambridge, Massachusetts

16 January 2009

***A Third Renaissance for American Capitalism***

Opening Presentation for: "Is Capitalism Sustainable? The Business & Society Conference of  
Tuck School of Business, Thayer School of Engineering and Vermont Law School"  
Dartmouth College, Hanover, New Hampshire

15 January 2009

***The CCSReg Project***

Briefing on interim report for Capitol press and Congressional staffers  
Washington, DC

January 9, 2009

***Tasks for Lawyers as China and the US Face Energy Dreams & Environmental Limits***

Law School of South China Normal University  
Guangzhou, Guangdong, China

12 December 2008

***Tasks for Technology: as China and the US Face Energy Dreams & Environmental Limits***

South China University of Science and Technology  
Guangzhou, Guangdong, China

11 December 2008

***Energy Justice: A Global Conversation About Our Energy Trilemma***

Yale University: Global Energy Fellows Program  
New Haven Connecticut

24 November 2008

- Background and Context: Vermont Yankee Nuclear Plant Re-Licensing Decision***  
Joint Session of Vermont House and Senate  
Montpelier Vermont 19 November 2008
- Blending Law, Technology and Finance to Meet Our Energy Challenge***  
Dartmouth College: Thayer, Tuck, VLS Student Collaborative for Sustainability  
Hanover New Hampshire 19 November 2008
- Acceptance Speech: Kilmarx Award for Good Government, Clean Energy and Environment***  
National Association of Utility Commissioners: Energy Resources and the Environment  
New Orleans Louisiana 17 November 2008
- Building a Legal Regime for the Sequestration of Carbon***  
Energy Bar Association Semi-Annual Meeting  
Washington D.C. 14 November 2008
- Deep Geologic Sequestration of Carbon: The CCS Reg Project***  
Electric Power Research Institute: Board of Director's Briefing (with Jay Apt)  
Dallas Texas 12 November 2008
- Legal Complexity Simplified: Elements, Traits, and Questions  
About How Americans Set Standards and Resolve Disputes***  
"Emergeneering" 2008 Conference on Holistic Solutions for a Complex World  
University of Vermont College of Engineering and Mathematical Science  
Burlington, Vermont October 15, 2008
- An Environmental Agenda for the Next Administration***  
Emerging Energies Panel, Environmental Law and Policy Conference.  
University of Michigan School of Law  
Ann Arbor, Michigan September 25, 2008
- Demand Response as a Baseload Resource: The Role of Energy Efficiency***  
EnerNOC Forum  
Boston, Massachusetts September 21-22, 2008
- Efficiency and Renewable Energy: The Rural Development Potential***  
Partnership for Rural America Annual Meeting  
Montpelier, Vermont September 9, 2008
- Coming 'Round The Bend:  
Under-Recognized Risks of Investing in Traditional Coal-Fired Generating Plants***  
National Association of Regulatory Utility Commissioners  
Committee on Energy Resources and the Environment  
Portland, Oregon July 21, 2008
- Moderator, 2008 Summer Energy Forum***

Vermont Law School Institute for Energy and the Environment  
South Royalton, Vermont July 18, 2008

***Speech and Seminar:***  
***Energy Dreams, Environmental Constraints, for China, the US and Our World***  
Chinese University of Hong Kong School of Law  
Sha Tin, NT, Hong Kong, China June 20, 2008

***Energy, Environment and Efficiency for China, the US and Our World***  
Juris Master Program of Sun Yat-sen University School of Law  
Guangzhou City, Guangdong Province, China June 17, 2008

***Moderator, Panel on Private Practice & Environmental Law***  
Forum for Practitioners of Environmental Law: Sun Yat-sen University School of Law  
Guangzhou City, Guangdong Province, China June 16, 2008

***Moderator, Panel on Substantive Elements of Environmental Law Curriculum***  
Convocation of All Provincial Environmental Law Scholars  
Shiling Town, Guangzhou City, Guangdong Province, China June 14, 2008

***Speech and Seminar: Regulatory Structure and Power Market Reform***  
Senior Policy Analysts Briefing Day  
State Electric Regulatory Commission of China (SERC)  
Beijing, China June 11, 2008

***Energy & the Environment: Organizing Our Agencies, Teaching Our Students***  
Forum on Energy Institutional Reform and Development of Energy Law Curriculum  
Tsinghua University: Center for Environmental, Natural Resources & Energy Law  
Beijing, China June 10, 2008

***Vermont Edition: Vermont's Future Electrical Needs***  
Vermont Public Radio, interview with Jane Lindholm May 21, 2008

***A Desperate Need; A "Tough Love" Pitch; & Some Next Steps:  
Solar Power & Our Energy Trilemma***  
American Solar Energy Society -- Opening Plenary Session  
San Diego California May 5, 2008

***Curriculum Review Deliberations***  
Board of Advisors, University of Vermont School of Engineering and Computer Sciences  
Burlington, Vermont April 29-30, 2008

***Looking 'Round The Bend Ahead:  
Under-Recognized Risks of Investments in Traditional Coal Fired Generation***  
New York Society of Security Analysts  
New York, New York February 26, 2008

- Desperate Buyers in a Sellers Market: Lessons For Our Carbon Constrained World***  
 Leadership Champlain Annual Energy Seminar  
 IBM Semi-conductor Production Facility, Essex Junction, Vermont      February 12, 2008
- Chasing Carbon From Academia***  
 Mid-Shift Carbon Neutral Campus Climate Committee  
 Middlebury College, Middlebury, Vermont      December 13, 2007
- Global Energy Justice: Drafting Sessions***  
 McGill University Faculty of Law  
 Montreal, Quebec, Canada      December 8-9, 2007
- Business Structures and Contract Incentives for an Energy-Efficiency Utility***  
 Energy-Efficiency Study Tour of 17 Chinese governmental officials  
 Vermont Law School, South Royalton, Vermont      December 7, 2007
- Merging Environmental and Energy Concerns in Vermont's Planning and Siting Laws***  
 Practitioners' Working Group (with Kinvin Wroth, Peg Elmer, LUI and IEE)  
 Vermont Law School, South Royalton, Vermont      November 28, 2007
- Education in the New Environmental Economy***  
 Vermont Environmental Consortium  
 Norwich University, Northfield, Vermont      November 3, 2007
- Research Agenda Authorizations***  
 Board of Directors of the Electric Power Research Institute  
 Scottsdale, Arizona      November 1, 2007
- Research Proposal Reviews***  
 Research Advisory Council of the Electric Power Research Institute  
 Scottsdale, Arizona      October 31, 2007
- The Current State of Energy Services***  
 "Consumer Energy Symposium," National Association of Utility Consumer Advocates  
 Boulder, Colorado      October 29-30, 2007
- Curriculum Review***  
 Board of Advisors, University of Vermont School of Engineering and Computer Sciences  
 Burlington, Vermont      October 26, 2007
- Annual Research Agenda Review***  
 Carnegie Mellon's Electric Industry Research Center  
 Pittsburgh, PA      October 17-18, 2007.
- Energy, Efficiency and our Environment for America, China, and the World***

State Environmental Protection Agency of China: Environmental Study Tour  
Vermont Law School/US AID Project  
South Royalton, Vermont October 12, 2007

***Global Energy Justice***  
Forum for International Jurists Addressing *Ethical Energy for a Lasting World*  
Institute for Energy and the Environment at Vermont Law School  
South Royalton, Vermont September 21, 2007

***Board of Directors' Strategic Planning Day***  
Washington Electric Cooperative  
Seyon Ranch  
Groton Vermont September 18, 2007

***State Electric Regulatory Commission of China***  
Peer-to-Peer Regulatory Conference  
Federal Energy Regulatory Commission  
Washington D.C. August 24, 2007

{{Discussant without formal presentation  
EPRI Board of Directors Meeting  
Marina del Ray CA August 5-7, 2007}}

((Discussant without formal presentation  
National Association of Regulatory Utility Commissioners  
Committee on Energy Resources and the Environment  
New York, NY July 16-18, 2007))

***Energy Policy: the World's Most Important Environmental Issue***  
Green Mountain Global Forum  
Waitsfield Vermont June 19, 2007

***Living in Interesting Times:  
Drawing on Co-op Values to Meet the Challenges of a World of High Priced Power***  
Annual Meeting of the Washington Electric Cooperative  
Barre, Vermont May 22, 2007

***Energy, Environment and Efficiency for China, the US and Our World***  
Economic and Trade Commission of Guangdong Province, Sun Yat-sen University,  
Vermont Law School & U.S. Agency for International Development:  
“Conference of Legal Strategy on Promoting Efficient Use of Energy and Resource”  
Guangzhou, Guangdong Province, China May 11, 2007

***From the Horizon to the Neighborhood:  
Futures for Vermont in a Carbon Constrained World***  
The Nature Conservancy of Vermont – 2007 Annual Meeting of the Board



South Royalton, Vermont

April 19, 2007

***Energy Efficiency: Business Structures for Solving Part of Our Climate Change Problem***

Yale University: Center for Business & the Environment at Yale, the Climate Change and Industrial Environmental Management and Energy Student Interest Groups and Energy Club, Yale School of Management

New Haven, Connecticut

April 9, 2007

***Energy Efficiency in America's Electricity System***

Yale University: School of Forestry and Environmental Studies

New Haven, Connecticut

April 9, 2007

***Chasing Carbon and Pollutants through a Life in the Law (Remarks and Discussion)***

Yale University: Environmental Law Society of Yale Law School

New Haven Connecticut

April 9, 2007

***Energy, Environment, and Law for Our World, Our Nations and Law Students***

Sun Yat-sen University Faculty of Law

Guangzhou, Guangdong, China

March 22, 2007

***Vermont's Energy Trilemma in a Carbon-Constrained World***

Vermont Senate Finance Committee

February 20, 2007

***Energy Regulation & the Environment: An Introduction to Our Trilemma***

University of Vermont – School of Engineering & Mathematical Sciences

Burlington Vermont

February 16, 2007

***Desperate Buyers in a Sellers Market for Electric Power:***

***Can Vermont Do Better In a Carbon Constrained World?***

Closing Keynote Speech to Leadership-Champlain Annual Conference

South Burlington, Vermont

February 13, 2007

***Once A Distant Thunder, Now An Issue Every Day:***

***What Can Vermonters Do When Carbon Drives Us All?***

Opening Challenge Speech to Leadership-Champlain Annual Conference

South Burlington, Vermont

February 13, 2007

***Once A Distant Matter, Now An Issue 'Cross the Board:***

***A Green New Deal For Vermont, As Carbon Drives Us All***

Vt House Committee on Energy & Natural Resources

Montpelier, Vermont:

February 8, 2007

***Energy Regulation and the Environment: An Introduction to Our Trilemma***

Manchester Study Group: Equinox Hotel

Manchester, Vermont

February 06, 2007

***Energy, Environment, and Law for Our World, Our Nation and Our Selves***  
Governor's Institute of Vermont Annual Symposium  
Goddard College, Plainfield, Vermont February 3, 2007

***Energy, Environment, and Law for Our World, Our Nation and Law Students***  
Middlebury College: Pre-Law and Environmental Societies  
Middlebury, Vermont January 25, 2007

***Green Mountains, Green Valleys & a Green New Deal for Vermont***  
Shems Dunkiel Kassel & Saunders 2007 Client Breakfast Series  
Burlington, Vermont January 25, 2007

***Green Mountains, Green Valleys & a Green New Deal for Vermont***  
Joint Session of Vermont Senate Committees on Agriculture, Economic Development,  
Transportation, Energy and Natural Resources  
Montpelier, Vermont January 24, 2007

***A Needy Buyer in a Seller's Market***  
***Can Vermont Do Better in a World of High Priced, Carbon Constrained, Power?***  
Vermont House Committee on Energy and Natural Resources  
Montpelier, Vermont January 9, 2007

***Energy Efficiency: What Can the First Foremost Resource Really Do?***  
Carnegie Mellon University: Engineering & Public Policy Annual Research Review  
Pittsburgh, Pennsylvania November 1, 2006

***Energy Efficiency for Needy Buyers in a Sellers' Market:***  
***How Efficiency Programs Helped the Vermont PSB Reduce the Burden of Electric Costs***  
***Even As Market Prices Rose***  
American Society of Environmental Journalists: Annual Meeting  
Burlington, Vermont October 28 2006

***From Searsburg to Kyoto: Carbon Constraints and State Energy Choices***  
Annual Meeting Renewable Energy Vermont  
Burlington, Vermont October 19, 2006

***High Temps, High Tech:***  
Energy, Environment & Technology in a Carbon-Constrained World  
Vermont Law School, South Royalton, Vermont October 13, 2006

***Energy Choices in a Carbon Constrained World***  
Vermont Environmental Consortium -- Environmental Expo 2006  
Norwich University, Northfield, Vermont October 5, 2006

***Building a Good Efficiency Program: What Does A State PUC Need?***  
NARUC: Midwest Energy Efficiency Initiative

Chicago, Illinois

September 27, 2006

***Resource Planning: IRP, Portfolio Management, and Real-World Results***

Energy Resources & the Environment Committee  
National Association of Regulatory Utility Commissioners  
San Francisco, California

August 1, 2006

***Needy Buyers in a Sellers' Market***

Vermont Rural Energy Council  
Montpelier, Vermont

July 20, 2006

***I've Looked at Both Sides Now: Risk Management in Power Purchase Agreements***

JPMorgan 2006 Public Power & Gas Conference  
New York, New York

May 12, 2006

***Energy Portfolios, Energy Paths, for a Carbon-Constrained World.***

Town Energy Forum Tunbridge Town Hall  
Tunbridge, Vermont

May 9, 2006

***Living In Interesting, Carbon-Constrained, Times***

***Drawing On Co-op Values To Meet The Challenge of a High Power-Cost World***

Keynote Speech: Annual Meeting of the Vermont Electric Cooperative  
Smuggler's Notch, Vermont

April 29, 2006

***Emergency Preparedness: Joint Responses to Common Challenges***

Network on North American Studies in Canada: Conference & Working Groups  
U.S.-Canada Fulbright Association  
Ottawa Canada

March 23-34, 2006

***H. 859 The Energy Security & Reliability Act***

Vermont Senate: Committee on Natural Resources & Energy  
Montpelier, Vermont

March 22, 2006

***S.124 An Act Relating to Applications to Extend the Operation of Vermont Yankee Nuclear Power Plant and Related Certificate of Public Good Process***

Vermont Senate: Committee on Finance  
Montpelier, Vermont (by telephone)

February 28, 2006

***Market Mechanisms for Controlling Green House Gas Emissions***

*(Moderator & Provocateur)*

4<sup>th</sup> Annual Business Sustainability Initiative Conference of  
Tuck School of Business, Vermont Law School, and Thayer School of Engineering  
Hanover, New Hampshire

February 24, 2006

***The Waiting Resource:***

***Energy Efficiency as a Way to Lower Electricity Costs and Burdens***

Arkansas Public Service Commission  
 Little Rock, Arkansas February 20, 2006

***An Energy Future for Vermont in a Carbon-Constrained World***  
 Grace C. Clarke Annual Lecture: Unitarian Universalist Assembly  
 Montpelier, Vermont February 19, 2006

***Warning Signs, Winning Solutions:  
 Vermont's Energy Future in a Low Carbon World***  
 Vermont Senate: Committee on Natural Resources & Energy  
 Montpelier, Vermont February 17, 2006

***Biofuels in Our New Energy Economy***  
 Cumberland School of Law  
 Samford University  
 Birmingham, Alabama February 10, 2006

***Energy Needs, Energy Options: World, Regional and State Matters Relevant to Electricity  
 Choices for Vermont***  
 Town of Manchester Planning Commission  
 Manchester VT December 19, 2005

***Trapped As Buyers in A Seller's Market: Can Vermonters Do Better In A Carbon-  
 Constrained World?***  
 VLS-Snelling Institute: Vermont's Energy Future  
 Vermont State House, Montpelier, VT December 12, 2005

***Sub-National Climate Schemes: U.S. Regional Green House Gas Initiatives***  
 Center for International Sustainable Development Law  
 McGill University, Montreal, Canada December 4, 2005

***Energy Environment and Law for Our World, Our Nation, and VLS***  
 Institute for Energy and the Environment at Vermont Law School: Reception  
 Washington, DC November 3, 2005

***Energy, Environment and Law for Our World, Our Nation and VLS***  
 Trustees' Meeting, Vermont Law School  
 South Royalton, VT September 30, 2005

***Wrap Up Panel: Energy Efficiency As A Resource***  
 Third National Conference, American Council for an Energy-Efficient Economy  
 Berkeley, CA September 27, 2005

***The True Value of Photo-Voltaic Distributed Generation***  
 Annual Meeting, Renewable Energy Vermont  
 South Burlington, VT September 21, 2005

***Energy, Environment and Law for Our World, Our Nation and VLS***  
Student Open House, Institute for Energy & the Environment, Vermont Law School  
South Royalton, VT September 20, 2005

***Energy Futures, Energy Choices, For Vermont and for America***  
Mark Johnson Show with host Ken Squier  
WDEV half-hour radio interview August 26, 2005

***Discussions Re Research Agendas and Power Resource Expectations***  
Advisory Council, Electric Power Research Institute  
San Diego, CA August 6-8, 2005

***Guest of Honor Comments: Thanks ...and Challenges!***  
Summer 2005 Dinner, Energy Resources & the Environment Committee  
National Association of Regulatory Commissioners  
Austin, TX July 27, 2005

***Technical, Financial and Environmental Aspects of Rational, Resource Selection***  
Electricity Committee of National Association of Regulatory Utility Commissioners  
Austin, TX July 26, 2005

***Trapped As a Buyer in A Seller's Market:  
Can Vermont Do Better By the Decade's End?***  
Keynote speech Windham Foundation Conference: Vermont's Energy Future  
Grafton,VT July 10, 2005

***FERC & NARUC Powers and Goals:  
Jurisdictional Lines, Agency Skills and Investor Expectations***  
NARUC/FERC Resource Planning and Procurement Forum of Commissioners  
Chicago, IL May 16, 2005

***Energy, Environment, and Law for Our World, Our Nation and VLS***  
Vermont Law School Faculty Luncheon  
South Royalton VT May 10, 2005

***Energy Siting Challenges: Getting Out of a Dead End -- Honorably!***  
Canadian Association of Members of Public Utility Tribunals (CAMPUT)  
2005 Annual Meeting  
Quebec City, QC, Canada May 3, 2005

***Whither Power Markets? Jurisdictional Issues, Institutional Competence, and Investor  
Requirements Affecting the Future of Wholesale Power Markets***  
American Public Power Association  
2005 Annual CEO Meeting  
Scottsdale, AZ March 7, 2005

***Energy Independence For America: Dreams of Independence, Realities of Reliance***

National Association of Regulatory Commissioners 2004 Annual Meeting

Nashville, TN

November 4, 2004

***Power Markets and Patterns in Capital Costs for United States' Utilities***

Energy Regulators Regional Association

2004 Annual Meeting

Budapest, Hungary

May 6, 2004

***Goals, Tools, and Tasks for Utility Regulation***

Energy Regulatory Commission of Macedonia (US AID/ NARUC Regulatory Partnership)

Skopje, Macedonia

March 21-26, 2004

***Market Based Electric Rates: Can a State Swim the Jurisdictional Seas?***

American Antitrust Institute; conference in honor of Alfred Kahn

Arlington, VA

January 21, 2003

***Market-Based Electric Rates: Can the Dream Survive Reality?***

Conference on Restoring Just and Reasonable Electricity Service

Washington, D.C.

September 28, 2002

***Standard Market Design? Healthy Market Design!***

Harvard Electric Policy Research Group

Cambridge, MA,

May 30, 2002

***Building the Markets: Not by Faith, But by Acts***

Year-end meeting of the Federal Energy Bar Association,

Washington, D.C.

December 2001

***Telecommunications and Real Estate Value***

Urban Development Institute of Quebec

Montreal, Quebec

February 17, 1999

***The Mind of the Decision-Maker: Effective Advocacy Before Administrative Tribunals***

Administrative Law: Practice Before Administrative Agencies

Vermont Bar Association Symposium

Rutland, VT

April 23, 1992

***Moderator: Evolving Applications of Telecommunications and Needs for Vermont's Future***

Conference on Telecommunications Policy: Implications for Vermont

University of Vermont

Burlington, VT

February 4, 1991

***Chair: Least-Cost Planning and Energy Choices for a Sound Society***

Summary panel on juried papers at NRRI Biennial Regulatory Information Conference

Columbus, OH

September 13, 1990

***Sharing the Pool: Allocating Interstate and Intrastate Revenue for Federal Tax Purposes***

Comments On Preemption Strategy, U.S. Advisory Commission on Intergovernmental Relations  
Washington, D.C. September 28, 1989

***Introduction and Overview and Confidential Information and Protective Agreements***

Classes for the National Judicial College's course in Administrative Law for Regulatory Agencies,  
Portsmouth, NH March 13-17, 1989

***The Public Service Board Process: The Scope, the Players, and the Rules***

Administrative Law: The Rules of the Game

Vermont Bar Association Symposium

Brownsville, VT

December 2, 1988

***New Social Contracts, New Social Visions***

Telecommunications: Meeting Tomorrow's Challenges,

The Telecommunications Conference Center

New York, NY

December 1, 1988

***Wasted Power, Needed Power: Utility Energy Efficiency and Environmental Consequences***

Annual Meeting of the Vermont Environmental Board,

Mendon, VT

November 4, 1988

***Telecommunications Deregulation: Key Factors For State Regulators***

NARUC Regional Training Program

Laconia NH

September 16, 1986

***Line-of-Business Restrictions for the Bell Operating Companies***

Current Issues Challenging the Regulatory Process

New Mexico State University

Albuquerque NM,

April 15-17, 1986

***Reporter: Proceedings of The Future of the Public Switched Network,***

The Amos Tuck School of Business Administration & the Communications Committee of the  
National Association of Regulatory Utility Commissioners (NARUC)

Hanover NH,

April 7-11, 1986

***Telecommunications Changes from Monopoly to Competition***

Direct Dialogue; a symposium of Northwestern Bell

Minneapolis MN,

February 11, 1986

***Fewer Deadly Metals: Clean Water Act Criteria for Electroplaters and Metal Finishers***

1984 Annual Convention of the American Electroplating Society

Orlando FL,

January 7-11, 1984

**ATTACHMENT F - 1:****SPECIAL POSITIONS**

Moderator, Town Meeting  
East Montpelier, Vermont

2005-2012, 2014

Moderator, School Meeting  
East Montpelier School District

2005-2012, 2014

National Council on Competition and the Electric Industry (1994-1995; 2000- 2005)

NARUC Special Committee on Restructuring the Electric Industry (2000-2003)

Federal Energy Regulatory Commission (FERC)  
Advisory Committee on Standard Market Design Cost-Benefit Study (2002)

Chair, NARUC Staff Sub-Committee on  
Unpriced Environmental Costs of Energy Production. (1992-1993)

Chair, NARUC Staff Sub-Committee on Incentive Regulation and Rate Design. (1991- 1993)

Member, NARUC Staff Committee on Energy Conservation and Least-Cost Planning (1990-1993)

Member, New England Conference of Public Utility Commissioners (NECPUC) Staff Committee  
on Telecommunications. (1984-1990)

Member, NARUC Staff Committee on Communications. (1984-1990)

Staff, Federal-State Joint Board for FCC Docket No. 85-124: "minutes-of-use" allocations for  
telephone network costs. (1985-1989)

Town of East Montpelier (Vermont) Conservation Fund Advisory Committee (1996 to present)

Alfred P. Sloan Industry Studies Program: Affiliate Scholar (2005 to 2011).

**ATTACHMENT F -2:****MEMBERSHIPS**

Appalachian Mountain Club:

Member 1 992-1996, 2001-2006

Boston Athenaeum:

Life Member since 1978

Hoag Island Preservation Trust:

Member since 1981

Trustee 1995-2001, 2005-2014

Lake Champlain Committee

Member 2003-2004, 2005-2006

Squam Lakes Association:

Occasional Member since 1978

Vermont Academy of

Science & Engineering

Affiliate Member 2006- 2012



## **ATTACHMENT G: SABBATICAL TEACHING**

Energy Policy and Electricity Law: 32 class hours University of Houston Law Center,  
January-February 2013

Energy Law: 28 class hours (with Professor Barry Barton) University of Waikato Te Piringa  
Faculty of Law, February-June 2013

Legal Essentials for Energy Professionals: 38 class hours Vermont Law School, executive training  
program, May 2013