

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of the Application of

PUGET SOUND ENERGY

For an Order Authorizing the Sale of All of
Puget Sound Energy's Interests in Colstrip Unit
4 and Certain of Puget Sound Energy's
Interests in the Colstrip Transmission System

DOCKET UE-200115

EXH. RJB-02

WITNESS QUALIFICATION

ON BEHALF OF

NW ENERGY COALITION AND

RENEWABLE NORTHWEST

October 2, 2020

Ronald J. Binz
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Employment History

2011-present Principal, Public Policy Consulting

Following my four-year term on the Colorado Public Utilities Commission, I resumed my consulting practice in energy policy and regulation. My focus is on climate, clean tech, regulatory reform, utility business models, integrated resource planning and smart grid.

Current and recent clients include Millennium Challenge Corporation, National Renewable Energy Laboratory, Nikola Power, Southern Environmental Law Center, Vote Solar, Hewlett Foundation, the U.S. Department of Energy, Northeast Clean Energy Council, Climate Policy Initiative, Steffes Corporation, Posigen, Sunshare LLC, Vivint Solar, Tendril Networks, Dow Solar, Lawrence Berkeley National Laboratory, Ceres, the Energy Regulatory Commission of Mexico, Environmental Defense Fund, Earthjustice, Blue Planet Foundation, the Future of Privacy Forum, American Efficient, and Conservation Colorado, among others.

International Engagements

In recent years, I have had assignments in energy policy and regulation in several foreign countries, including Jordan, Liberia, Malawi, Mexico, Nepal, Sierra Leone, and Tanzania. The activities include developing policy and regulatory roadmaps (Mexico, Nepal), reviewing and drafting legislation (Nepal, Tanzania), advising on electric market structure (Nepal, Malawi) hosting a technical conference (Mexico), designing regulatory agencies (Malawi, Sierra Leone, Nepal, Mexico), advising on natural gas regulation (Tanzania) and developing Smart Grid policy (Mexico).

2013 Nominee, Federal Energy Regulatory Commission

I was nominated by President Obama on June 27, 2013 to serve on the Federal Energy Regulatory Commission and, upon confirmation, to be designated as Chairman. My nomination was vigorously opposed by the coal industry and certain conservative political groups. Following a confirmation hearing, it appeared unlikely that my nomination would be reported favorably by the Senate Energy and Natural Resources Committee. I therefore asked that my name be withdrawn from further consideration.

The Center for the New Energy Economy (CNEE) at Colorado State University is headed by former Colorado Governor Bill Ritter, Jr. The Center provides policy makers, governors, planners and other decision makers with a road map to accelerate the nationwide development of a New Energy Economy.

2007-2011 Chairman, Colorado Public Utilities Commission

I was appointed by Governor Bill Ritter, Jr. in January 2007. As Chairman, I helped implement the Governor's and Legislature's vision of Colorado's New Energy Economy, implementing the state's 30% Renewable Energy Portfolio Standard, fulfilling the Commission's role in the Governor's Climate Action Plan, streamlining telecommunications regulation, promoting broadband telecommunications investment and improving the operation of the Commission.

Here are some major accomplishments during my term on the Commission:

- **Implementing the Clean Air-Clean Jobs Act (2010).** Following passage of this new law in 2010, the Commission worked under a very compressed time schedule to examine proposals by XcelEnergy and Black Hills Energy to reduce pollutants from their coal fired generation plants. The contentious Xcel proceeding involves thirty-four legal parties, testimony from sixty-one witnesses and the consideration of more than a dozen contending compliance plans. The case required the close cooperation between the Commission and the Colorado Department of Public Health and Environment, the first such collaboration.
- **Implementing dozens of new energy, transportation and telecommunications laws.** In each legislative session during the term of Governor Ritter, the general assembly passed numerous sweeping utility-related laws. Many of these new laws required the Commission to adopt rules, compile reports, or conduct hearings. Rarely in Colorado history has there been this much activity required of the Commission.
- **Modifying and approving the electric resource plan of XcelEnergy (2009).** After extensive hearings, the Commission approved a plan that includes large amounts of new wind capacity, the early closure of two coal power plants to reduce carbon and other emissions, the acquisition of 200-600 megawatts of solar thermal capacity, and substantial amounts of new energy efficiency savings. The target portfolio would reduce CO₂ emissions per megawatt-hour by 22% from current levels over eight years. The Commission decision required competitive acquisition for new resources.
- **Adopting new, aggressive energy efficiency requirements (2008)** for Colorado gas and electric utilities. The Commission's requirements for electric utilities go well beyond the statutory minimum levels enacted in 2007. The Commission's policies also provided for rapid cost recovery of energy efficiency spending and bonus incentives for superior performance for the utilities.
- **Rewriting the Commission's electric resource planning rules (2007)** to require full consideration of future costs for carbon emissions, new clean energy resources and environmental and economic externalities. Retained and refined the requirements for

- **Improving communications with stakeholders.** I successfully sought legislation to modify the Commission's enabling statute, allowing the use of a "permit-but-disclose" communications process like the one employed successfully by the Federal Communications Commission and the FERC. The result has been much greater exposure of the Commissioners and staff (outside the hearing process) to the thinking of consumers, utilities, environmental advocates, large customers, advocates for new technologies, etc.
- **Organizing meetings of Western state regulators on regional transmission issues.** We discussed coordination in our efforts to add transmission capacity, especially to renewable energy zones. In future meetings we will discuss a goal of eliminating "pancaked" transmission pricing in the intermountain west.
- **Conducting hearings in eight towns around the state** on a "road trip" to collect consumer opinions about energy rates, distributed generation, the future of the energy sectors, and support for moving toward a more environmentally-sensitive utility industry.
- **Reorganizing the PUC's staff** to create a Research and Emerging Issues section. As chairman, I worked to improve deployment of the agency's modest staff so that the Commissioners could stay apprised of new technology and policy alternatives and be able to investigate and implement new regulatory approaches.
- **Reaching out to consumers and interest groups.** I frequently speak at meetings of consumer organizations, environmental groups, business and professional associations, legal seminars, etc. The two-way-street communications improves my understanding and conveys to the public the immense challenges we face in energy policy with climate change.

1995-2006 President, Public Policy Consulting

Consultant, specializing in energy and telecommunications regulatory policy issues. Assignments include strategic counsel to clients and research and testimony before regulatory and legislative bodies. In addition, I produced several research reports about the impact on rates of adding significant amounts of wind and solar capacity to utility systems. These reports are listed below.

I had a wide range of clients, including: consumer advocate offices, rural electric utilities, senior citizen advocacy groups, environmental groups, industrial electric users, homebuilders, building managers, telecommunications resellers, incumbent local exchange companies, low-income advocacy organizations, and municipal utilities. I testified as an expert witness before regulatory commissions in twelve states.

1996-2003 President and Policy Director, Competition Policy Institute

Competition Policy Institute was an independent non-profit organization that advocated for state and federal policies to bring competition to energy and telecommunications markets in ways that benefit consumers. Duties included: determining the organization's policy position on a wide range of telecommunications and energy issues; conducted research, produced policy papers,

presented testimony in regulatory and legislative forums, hosted educational symposia for state regulators and state legislators. Exh. RJB-02

1984-1995 Director, Colorado Office of Consumer Counsel

Director of Colorado's first state-funded utility consumer advocate office. By statute, the OCC represents residential, small business and agricultural utility consumers before state and federal regulatory agencies. The office was a party to more than two hundred legal cases before the Colorado Public Utilities Commission, the Federal Communications Commission, the Federal Energy Regulatory Commission and the courts.

Managed a staff of eleven, including attorneys, economists, and rate analysts who conduct economic, financial and engineering research in public utility matters. Testified as an expert witness on subjects of utility rates and regulation. Negotiated rate settlement agreements with utility companies. Regularly testified before the Colorado general assembly and spoke to professional business and consumer organizations on utility rate matters. Consulted with advisory board of consumer leaders from around the state.

Held leadership roles in National Association of State Utility Consumer Advocates. Member of high-level advisory boards to Federal Communications Commission (Network Reliability Council and North American Numbering Council) and Environmental Protection Agency (Acid Rain Advisory Council). Frequent witness before congressional committees and invited speaker before national industry and regulatory forums.

1977-1984 Consulting Utility Rate Analyst

Represented clients in public utility rate cases and testified as an expert witness in utility cases before regulatory commissions in Utah, Wyoming, Colorado and South Dakota. Clients included state and local governments, low income advocacy groups, irrigation farmers and consumer groups. Testimony spanned topics of telephone rate design, electric cost-of-service studies, avoided cost valuation of nuclear generation, electric rate design for irrigation customers and municipal water rate design.

1975-1984 Instructor in Mathematics

Taught mathematics at the University of Colorado, Denver and Boulder campuses. Nominated three times for outstanding part-time faculty member.

1971-1974 Manager, Blue Cross and Blue Shield

Managed major medical claims processing department. Responsibilities included budgets, hiring, training, managing supervisors, and coordinating with medical peer review committee.

Other Business Interests

1994-2011

Managing Partner, Trail Ridge Winery

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Managing Partner and Secretary/Treasurer of Trail Ridge Winery. Trail Ridge Winery was located in Loveland, Colorado, and produced a variety of award-winning wines from Colorado-grown grapes.

Education

M.A. (Mathematics) 1977. University of Colorado. Course requirements met for Ph.D.

Graduate courses toward M.A. in Economics 1981-1984. University of Colorado. Twenty-seven hours including Economics of Regulated Industries, Natural Resource Economics, Econometrics.

B.A. with Honors (Philosophy) 1971. St. Louis University.

Professional Associations and Activities

Selected Current and Recent:

Board of Directors, Nikola Power

Board of Directors, GRID Alternatives Colorado

Board of Directors, GRID Alternatives (national)

Board of Directors, Western Resource Advocates (WRA)

Board of Directors, Southwest Energy Efficiency Project (SWEEP)

Board of Directors, Smart Electric Power Alliance (SEPA)

Advisor, Sunshare, LLC.

Brookings Institution, Non-resident Senior Fellow, 2013-2014

Harvard Electric Policy Group, John F. Kennedy School, Harvard University 1994-present

Advisory Council to the Board of the Electric Power Research Institute (EPRI) 2008-2011

Keystone Energy Board 2009-2012

Aspen Institute for Humanistic Studies, Communications and Society Programs 1986-present

Selected Past:

National Association of Regulatory Utility Commissioners

Member, Energy Resources and Environment Committee 2007-2011

Member, International Relations Committee 2007-2011

Chair, NARUC Task Force on Climate Policy 2010-2011

President, Western Conference of Public Service Commissioners, 2010-2011

Acid Rain Advisory Council to the Environmental Protection Agency, circa 1991

American Association for the Advancement of Science

American Vintners Association (*now* WineAmerica), Executive Committee, Membership Chair

Colorado Common Cause, Board Member

Colorado Energy Assistance Foundation, Board Member, Past President

Colorado Legislative Task Force on Information Policy, Gubernatorial Appointee 2000-2001

Colorado Public Interest Research Foundation, Board Member

Colorado Telecommunications Working Group, Gubernatorial Appointee

Colorado Wine Industry Development Board, Chairman

Council on Economic Regulation, Past Fellow

Denver Mayor's Council on Telecommunications Policy

Exchange Carriers Standards Association Network Reliability Steering Committee

Legislative Commission on Low-Income Energy Assistance, Past President

National Association of State Utility Consumer Advocates

President 1991-1992, Vice-President 1990, Treasurer 1987-1989

Chair, Telecommunications Committee 1992-1995

Network Reliability Council to the Federal Communications Commission

New Mexico State University Public Utilities Program, Faculty and Advisory Council

North American Numbering Council to Federal Communications Commission, Co-Chair

Outreach Committee, Western States Coordinating Council Regional Planning Committee

Total Compensation Advisory Council to the State of Colorado Department of Personnel

Who's Who in Denver Business

Selected Regulatory Testimony

From 1977 to 2018, Mr. Binz participated in more than 150 regulatory proceedings before the Federal Communications Commission, the Federal Energy Regulatory Commission, State and Federal District Courts, the 8th Circuit, 10th Circuit and D.C. Circuit Courts of Appeal, the U.S. Supreme Court and regulatory commissions in Arizona, California, Colorado, the District of Columbia, Georgia, Hawaii, Idaho, Massachusetts, Maine, Missouri, Montana, New York, North Dakota, South Carolina, South Dakota, Texas, Utah, and Wyoming. He has filed testimony in approximately sixty proceedings before these bodies. His testimony and comments have

addressed a wide variety of technical and policy issues in telecommunications, electricity, natural gas and water regulation.

Before the Public Service Commission of Montana. Electric Utility Rate Review NorthWestern Energy. Docket No. D2018.2.12. February 2019.

Before the Public Utility Commission of Hawaii. Instituting a Proceeding to Investigate Performance- Based Regulation. Docket No. 2018-0088. November 2018.

Before the Public Utilities Commission of South Carolina. Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plan. Docket Nos. 2017-370-E; 2017-305-E; 2017-207-E. November 2018.

Before the Public Utilities Commission of Rhode Island In Re: National Grid Application to Change Electric and Gas Distribution Revenue Requirements and Associated Rates. Docket No. 4780. April 2018.

Before the Public Utility Commission of Hawaii. In the Matter of the Application of HAWAIIAN ELECTRIC COMPANY, INC. For Approval of General Rate Case and Revised Rate Schedules and Rules. Docket No. 2016-0328. Topic: Proposal for Incentive Based Regulation.

Before the Massachusetts Department of Public Utilities. Petition of NSTAR Electric Company and Western Massachusetts Electric Company each d/b/a Eversource Energy for Approval of an Increase in Base Distribution Rates for Electric Service Pursuant to G.L. c. 164, § 94 and 220 C.M.R. § 5.00. April 2017. Topic: Proposal for Incentive Based Regulation.

Before the Public Utilities Commission of Hawaii. In the Matter of the Application of HAWAIIAN ELECTRIC COMPANY, INC., HAWAII ELECTRIC LIGHT COMPANY, INC., MAUI ELECTRIC COMPANY, LIMITED, and NEXTERA ENERGY, INC., For Approval of the Proposed Change of Control and Related Matters. "Testimony of Ronald J. Binz." January 2016. Topic: Conditions to be attached to merger approval.

Before the Public Service Commission of New York. Proceeding on Motion of the Commission in Regard to Reforming the Energy Vision. Case 14-M-0101. "Statement of Ronald J. Binz on Behalf of Earthjustice In Reply to Parties' Initial Comments on the Staff Straw Proposal" October 2014. Topic: Regulatory approach in the Commission's REV proposal.

Before the Public Service Utilities Commission of Hawaii. Instituting an Investigation to Reexamine the Existing Decoupling Mechanisms for Hawaiian Electric Company, Inc., Hawaii Electric Light Company, Inc., and Maui Electric Company, Limited. Docket No. 2013-0141. "Declaration of Ronald J. Binz." September 2014. Topic: Proposal for Incentive Regulation of HECO.

Before the Public Utilities Commission of California. Order Instituting Rulemaking to Enhance the Role of Demand Response in Meeting the State's Resource Planning Needs and Operational Requirements. Rulemaking 13-09-011. Comments and oral testimony of Ronald J. Binz before the Administrative Law Judge. August 2014.

Before the Public Service Commission of Wyoming. In the Matter of Rocky Mountain Power's Confidential Contract Filing Docket No. 20000-379-EK-10 of a Purchase Power Agreement between PacifiCorp and Pioneer Wind Park I. Binz Affidavit on behalf of Northern Laramie Range Alliance. Record No. 12618 (August 2011)

Before the West Virginia Public Service Commission. In the Matter of the Petition of Verizon West Virginia, Inc. To Cease Rate Regulation of Certain Workably Competitive Telecommunications Services. Case No. 06-0481-T-PacifiCorp (June 2006)

Before the Utah Public Service Commission. In the Matter of The Division's Annual Review and Evaluation of Electric Lifeline Program, HELP Rate Design Testimony. Docket No. 04-035-21 (September 2005)

Before the Colorado Public Utilities Commission. Testimony on behalf of YMCA of the Rockies. In re: YMCA of the Rockies, Complainant v. Xcel Energy (d/b/a Public Service Company of Colorado, Respondent. Rebuttal Testimony. Docket No. 05F-167G. (September 2005)

Before the Colorado Public Utilities Commission. Testimony on behalf of YMCA of the Rockies. In re: YMCA of the Rockies, Complainant v. Xcel Energy (d/b/a Public Service Company of Colorado, Respondent. Direct Testimony. Docket No. 05F-167G. (June 2005)

Before the Michigan Public Service Commission. Testimony on behalf of the Michigan Attorney General. In the Matter of SBC Michigan's Request for Classification of Business Local Exchange Service as Competitive Pursuant to Section 208 Of the Michigan Telecommunications Act. Case No. U-14323. (March 2005)

Before the Colorado Public Utilities Commission. Testimony on behalf of the Colorado Office of Consumer Counsel. In the Matter of the Combined Application of Qwest Corporation for Reclassification and Deregulation of Certain Part 2 Products and Services and Deregulation of Certain Part 3 Products and Services. Docket No. 04A-411T. (February 2005)

Before the Utah Public Service Commission. In the Matter of the Application of PacifiCorp for Approval of Its Proposed Electric Rate Schedules and Electric Service Regulation. Rate Design Testimony. Docket No. 04-035-42. (January 2005)

Before the Utah Public Service Commission. In the Matter of the Application of PacifiCorp for Approval of Its Proposed Electric Rate Schedules and Electric Service Regulation. Revenue Requirements Testimony. Docket No. 04-035-42. (December 2004)

Before the Colorado Public Utilities Commission. Testimony on behalf of the Building Owners and Managers Association of Metropolitan Denver (BOMA) in the Matter of The Investigation

and Suspension of Tariff Sheets Filed by Public Service Company of Colorado With Advice Letter No. 1411—Electric Docket No. 04S-164E (October 2004)

Before the Colorado Public Utilities Commission. Testimony on behalf of Colorado Energy Consumers in the Matter of The Application of Public Service Company of Colorado for Approval of its 2003 Least-Cost Resource Plan. Docket No. 04A-214E (filed: September 2004)

Before the Colorado Public Utilities Commission. Testimony on behalf of Colorado Energy Consumers in the Matter of the Application of Public Service Company of Colorado For an Order Authorizing It to Implement A Purchased Capacity Cost Adjustment Rider in Its PUC No. 7 – Electric Tariff. Docket No. 03A-436E. (filed: March 2004)

Before the Wyoming Public Service Commission. Testimony on behalf of Wyoming Industrial Energy Consumers (WIEC) and AARP In the Matter of the Application of PacifiCorp for Approval of a Power Cost Adjustment Mechanism. Docket No. 20000- ET-03-205 (filed: January 2004).

Before the Colorado Public Utilities Commission. Testimony on behalf of the Colorado Office of Consumer Counsel Regarding the Unbundling Obligations of Incumbent Local Exchange Carriers Pursuant to The Triennial Review Order – Initial Commission Review. Docket No. 03I-478T. (January 2004)

Before the Wyoming Public Service Commission. Testimony on behalf of AARP in the matter of The Application of PacifiCorp For A Retail Electric Utility Rate Increase Of \$41.8 Million Per Year Docket No. 20000-ER-03-198 (January 2004).

Before the Wyoming Public Service Commission. Public hearings testimony on behalf of AARP in the matter of an application by Kinder Morgan to modify the provider selection process in its Choice Gas Program. (December 2003).

Before the Public Service Commission of North Dakota. Testimony on behalf of AARP in the matter of In the Matter of the Notice of Montana-Dakota Utilities Co. for an Electric Rate Change. Case No. PU-399-03-296. (October 2003)

Before the Colorado Public Utilities Commission. Testimony in the matter of Public Service Company of Colorado's Advice Letter No. 598 – Natural Gas Extension Policy. Docket No. 02S-574G. (March 2003)

Before the Colorado Public Utilities Commission. Testimony in the remand hearings in the formal complaint case of the Homebuilders Association of Metropolitan Denver against Public Service Company. Docket 01F-071G. (January 2003)

Before the Wyoming Public Service Commission. Testimony on behalf of AARP in the matter of an application by PacifiCorp to increase rates, recover excess net power costs, and recover purchase power costs related to the Hunter Unit 1 outage. Docket No. 20000-ER-02-184. Testimony Concerning A Proposed General Rate Increase and Surcharge for Previous Power Costs. (November 2002).

Before the Wyoming Public Service Commission. Testimony on behalf of AARP in the matter of an application by PacifiCorp to increase rates, recover excess net power costs, and recover purchase power costs related to the Hunter Unit 1 outage. Docket No. 20000-ER-02-184. Testimony Concerning Hunter Unit 1 Issues. (November 2002).

Before the Colorado Public Utilities Commission. Comments on behalf of the Colorado Energy Assistance Foundation. Docket No. 02R-196G. In the Matter of the Proposed Repeal and Reenactment of the Rules Regulating Gas Utilities. (November 2002)

Before the Colorado Public Utilities Commission. Testimony on behalf of Colorado Energy Assistance Foundation and Catholic Charities of the Archdiocese of Denver. Docket No. 02A-158E. In the Matter of the Application of Public Service Company of Colorado for an Order to Revise its Incentive Cost Adjustment. (April 2002)

Before the Idaho Public Utilities Commission. Testimony on behalf of Astaris, in the matter of Case No. IPC-E-01-43 concerning the buy-back rates under an electric load reduction program. (January 2002)

Before the Colorado Public Utilities Commission. Testimony in matter of the investigation of Advice Letters 579 and 581 of Xcel Energy on behalf of Homebuilders Association of Denver. Dockets 01S-365G and 01S-404G. (January 2002)

Before the Colorado Public Utilities Commission. Testimony in the formal complaint case of the Homebuilders Association of Metropolitan Denver against Public Service Company. Docket 01F-071G. (August 2001)

Before the Colorado Public Utilities Commission. Testimony in the matter of the investigation and suspension of Advice Letter No. 566 of Xcel Energy on behalf of the Homebuilders Association of Metropolitan Denver. Docket No. 00S-422G. (November 2000)

Before the American Arbitration Association. In the Matter of Univance Telecommunications, Inc. v. Venture Group Enterprises, Inc. Arbitration No. 77 Y 147 00099 00 (November 2000)

Testimony of Ronald Binz at FCC Public Forum on SBC/Ameritech merger (May 1999)

Docket No. 97-106-TC -- Testimony of Ron Binz before New Mexico State Corporation Commission on Investigation Concerning USWest's Compliance with Section 271(c) of the Telecommunications Act (July 1998)

Before the Colorado Public Utilities Commission. Testimony Concerning the Investigation of Telephone Numbering Policies. (March 1998)

Docket No. 6717-U □ Testimony before the Georgia Public Service Commission Concerning the Service Provider Selection Plan of Atlanta Gas Company. (January 1997)

Case 96-C-0603 and Case 96-C-0599--Testimony of Ronald J. Binz on behalf of CPI before the New York State Public Service Commission concerning the Bell Atlantic/NYNEX Merger (November 1996)

Docket No. 96-388 - Direct Testimony of Ronald J. Binz, CPI, On Behalf of the Office of the Public Advocate (October 1996) State of Maine, Public Utilities Commission Joint Petition of New England Telephone and Telegraph Company and NYNEX Corporation for Approval of the Proposed Merger of a Wholly-Owned Subsidiary of Bell Atlantic Corporation into NYNEX Corporation.

Application No. 96-04-038 - Direct Testimony of Ronald J. Binz, CPI, On Behalf of Intervener, Utility Consumers Action Network (September 1996) Before the Public Utilities Commission of the State of California In the Matter of the Joint Application of Pacific Telesis Group (Telesis) and SBC Communications (SBC) for SBC to Control Pacific Bell (U 1001 C), Which Will Occur Indirectly as a Result of Telesis' Merger with a Wholly Owned Subsidiary of SBC, SBC Communications (NV) Inc.

Presentation to Federal-State Joint Board on Universal Service (April 12, 1996)

Testimony before the Texas Public Utility Commission on the Integrated Resource Planning Rule (March 1996)

Congressional Testimony

Mr. Binz has appeared sixteen times before U.S. House and Senate Committees. In addition, he has testified numerous times before state legislatures in several states. Here is a list of his U.S. Congressional testimony and statements:

United States Senate Energy and Natural Resources Committee, 2013. Statement in support of my nomination to the Federal Energy Regulatory Commission.

United States House of Representatives Commerce Committee, Energy Subcommittee, 2008. Testimony concerned a proposal to adopt a federal renewable energy standard.

United States House of Representatives Judiciary Committee, November 1999. Testimony concerning H.R. 2533, The Fairness in Telecommunications License Transfer Act of 1999.

United States Senate Judiciary Committee; Antitrust, Business Rights and Competition Subcommittee, April 1999. Testimony concerning S.467, The Antitrust Merger Review Act.

United States Senate Commerce Committee, Telecommunications Subcommittee, May 1998. Testimony in oversight hearings concerning the performance of the Common Carrier Bureau of the Federal Communications Commission.

United States Senate Judiciary Committee, Washington, D.C., September 1996. Presented testimony on behalf of the Competition Policy Institute on the competitive impact of proposed mergers of Regional Bell Operating Companies.

United States House of Representatives Subcommittee on Telecommunications and Finance of the Committee on Commerce, May 1995. Testimony presenting NASUCA's position on H.R. 1555 by Representative Fields.

United States Senate Subcommittee on Antitrust, Washington, D.C., September 1994. Testimony presenting NASUCA's position on S. 1822 by Senator Hollings.

United States House of Representatives Subcommittee on Telecommunications and Finance of the House Energy and Commerce Committee, Washington, D.C., February 1994. Presented testimony on H.R. 3636.

United States House of Representatives Subcommittee on Economics and Commercial Law, Washington, D.C., October 1992. Supplemental testimony presenting NASUCA's position on legislation concerning the Modified Final Judgment introduced by Representative Brooks.

United States House of Representatives Subcommittee on Telecommunications and Finance, Washington, D.C., October 1991. Testimony on RBOC entry into telecommunications manufacturing and information services.

United States House of Representatives Subcommittee on Economics and Commercial Law, Washington, D.C., August 1991. Testimony presenting NASUCA's position on possible federal legislation concerning the Modified Final Judgment.

United States Senate Subcommittee on Energy Regulation and Conservation, Denver, Colorado, April 1991. Testimony presenting NASUCA's position on federal legislation concerning regulation of the natural gas industry, introduced by Senator Wirth.

United States Senate Communications Subcommittee, Washington, D.C., February 1991. Testimony on behalf of NASUCA concerning S.173, telecommunications legislation introduced by Senator Ernest Hollings.

United States Senate Communications Subcommittee, Washington, D.C., July 1990. Testimony on behalf of NASUCA concerning S.2800, telecommunications legislation introduced by Senator Conrad Burns.

United States House of Representatives Subcommittee on Telecommunications and Finance, July 1988. Testimony on the FCC Price Cap proposal.

 Reports and Articles

Title	Publisher	Date
<i>Considerations for the Governance of a Western Regional System Operator</i>	Public Policy Consulting	March 2016
<i>Practicing Risk Aware Electricity Regulation: 2014 Update</i>	Ceres	November 2014
<i>Priorities after FERC Overture</i>	EnergyBiz Magazine	Jan-Feb 2014
<i>Risk-Aware Planning and a New Model for the Utility-Regulator Relationship</i>	ElectricityPolicy.com	July 2012
<i>Practicing Risk Aware Electricity Regulation: What Every State Regulator Needs to Know</i>	Ceres	April 2012
<i>Conquering Consumer Resistance: Time to cross the bridge to time-of-use rates</i>	EnergyBiz Magazine	March-April 2012
<i>Cap and Innovate: An alternative approach to climate regulation.</i>	Public Utilities Fortnightly	June 2010
<i>Wind on the Public Service Company of Colorado System: Cost Comparison to Natural Gas</i>	Interwest Energy Alliance (with Jane Pater)	August 2006
<i>The Impact of the Renewable Energy Standard in Amendment 37 on Electric Rates in Colorado</i>	Public Policy Consulting	September 2004
<i>The Impact a Renewable Energy Portfolio Standard on Retail Electric Rates in Colorado</i>	Public Policy Consulting	February 2004
<i>Qwest, Consumers and Long-Distance Entry: A Discussion Paper</i>	Public Policy Consulting	October 2001
<i>Addressing Market Power: The next step in electric restructuring</i>	Competition Policy Institute	June 1998
<i>Navigating a Course to Competition: A consumer perspective on electric restructuring</i>	Competition Policy Institute	August 1997