

VICNENT MUSCO, MA

Partner

AREAS OF EXPERTISE

- Electricity markets
- Electricity industry policy
- US RTOs and ISOs
- Resource procurement
- Independent Evaluator Services
- Integrated Resource Planning
- Utility Auditing



Summary of experience

Vincent Musco is a recognized expert adept at tackling complex economic challenges in the energy sector. He regularly consults and testifies on critical energy market and ISO/RTO issues, such as pricing in organized electricity markets, the economics of fuel and power purchases by utilities, FERC open access transmission issues, electric utility rates and tariffs, purchased power agreements, integrated resource planning, and electric utility costs and revenue requirements. Vincent serves as an independent evaluator for utility regulators and electric utilities across North America for new and existing conventional and renewable generation, energy storage, and distributed energy resources. Vincent has consulted on behalf of and in front of state and federal regulators on electric and natural gas economic, regulatory, and policy issues and his experience includes working with more than 15 states and 5 Canadian provinces across North America.

Working with government agencies, utility commissions, ISOs/RTOs, federal agencies, major utilities, and private entities, Vincent provides rigorous analyses and actionable recommendations that align with industry standards and regulatory requirements. Noted for his innovative thinking and advanced problem-solving, he combines uncompromising objectivity with a tireless work ethic to deliver optimal solutions for clients.

In addition to his consulting and testifying work, Vincent has published articles in Electricity Journal, Public Utilities Fortnightly, and IAEE Energy Forum. He also speaks at industry events hosted by organizations including EUCI, George Washington University, Public Utility Research Center (PURC), and Platts.

Education

- MA, Economics, American University
- BS, Economics (with distinction), James Madison University

Testifying experience

- On behalf of the Nova Scotia Energy Board, provided written testimony in the matter of an application by Nova Scotia Power, Inc. for approval of certain revisions to its rates, charges, and regulations (Matter M12451)
- On behalf of the Board of Commissioners of Public Utilities of Newfoundland and Labrador, provided two expert reports (with co-author) in the matter of Newfoundland and Labrador Hydro's 2025 Application for Capital Expenditures for the Purchase and Installation of Bay d'Espoir Unit 8 and Avalon Combustion Turbine
- On behalf of the Nova Scotia Utility and Review Board, provided written and oral testimony in the matter of an appeal by Nova Scotia Power, Inc. under s.48 of the Renewable Electricity Regulations of the Minister's Decision directing a penalty of \$10 million (Matter M11150)
- On behalf of the Nova Scotia Utility and Review Board, provided written and oral testimony (with co-authors) concerning the 2024 Fuel Adjustment Mechanism Audit of Nova Scotia Power, Inc. (Matter M11533)
- On behalf of the Mississippi Public Service Commission, provided direct testimony and a recommendation on the results of the Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement (October 1, 2023–September 30, 2024)
- On behalf of the Nova Scotia Utility and Review Board, provided written testimony in the matter of an application by Port Hawkesbury Paper LP seeking confirmation it will not be responsible for repayment of costs related to Nova Scotia Power Incorporated's \$500 million regulatory asset as part of the tolls, rates, and charges PHP pays to NS Power (Matter M12004)
- On behalf of the Nova Scotia Utility and Review Board, provided written testimony in the matter of an application by Four Municipal Electric Utilities for Approval to Amend the Approved Flow-Through Formulas in their Schedule of Rates for Electric Supply and Services (Matter M11893)
- On behalf of the Nebraska Public Service Commission, provided oral testimony concerning a prudence review of purchasing strategy and approach to natural gas procurement and hedging by Northwestern Energy Public Service Corporation d/b/a NorthWestern Energy (Nebraska Public Service Commission, Application No. NG-115.1)
- On behalf of the Mississippi Public Service Commission, provided direct testimony and a recommendation on the results of the Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement (October 1, 2022–September 30, 2023)
- On behalf of the Nebraska Public Service Commission, provided oral testimony concerning a prudence review of purchasing strategy and approach to natural gas procurement and hedging by Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy (Nebraska Public Service Commission, Application No. NG-119)
- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony (with co-authors) concerning the 2022 Fuel Adjustment Mechanism Audit of Nova Scotia Power, Inc. (Matter M10416)
- On behalf of the Commonwealth of Massachusetts Office of Attorney General, provided written joint and oral testimony concerning the request of NSTAR Electric Company d/b/a Eversource Energy and Eversource Gas Company of Massachusetts d/b/a Eversource Energy of approval to develop, construct, own, and operate respective solar photovoltaic facilities paired with battery

energy storage (Massachusetts Department of Public Utilities, Docket Nos. D.P.U. 22-64, D.P.U. 22-65)

- On behalf of the Nova Scotia Utility and Review Board, provided written testimony and reply testimony in the matter of Nova Scotia Power, Inc.'s Extra Large Industrial Active Demand Control Tariff (Matter M11021)
- On behalf of the New Brunswick Energy and Utilities Board, provided an expert report and oral testimony in the matter of New Brunswick Power Corporation FY 2023/2024 General Rate Application (NBEUB Matter No. 0541)
- On behalf of the Mississippi Public Service Commission, provided direct testimony and a recommendation on the results of the Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement (October 1, 2021–September 30, 2022)
- On behalf of the Commonwealth of Massachusetts Office of Attorney General, provided written testimony concerning the request of Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid, NSTAR Electric Company d/b/a Eversource Energy, and Fitchburg Gas and Electric Light Company d/b/a Unitil of approval of six purchase power agreements for offshore wind and the competitive procurement process (Massachusetts Department of Public Utilities, Docket Nos. D.P.U. 22-70, D.P.U. 22-71, D.P.U. 22-72)
- On behalf of the Nova Scotia Utility and Review Board, provided written and oral testimony in the matter of an application by Nova Scotia Power, Inc. for approval of certain revisions to its rates, charges, and regulations (Matter M10431)
- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony in the matter of an application by Nova Scotia Power Maritime Link, Inc. for approval of project capital costs for the Maritime Link transmission project (Matter M10206)
- On behalf of the Nova Scotia Utility and Review Board, provided written testimony in the matter of an application by Nova Scotia Power, Inc. for an exemption from the requirements of the Affiliate Code of Conduct to permit additional purchases from the Brooklyn Energy biomass facility (Matter M09880)
- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony (with co-authors) concerning the 2020 Fuel Adjustment Mechanism Audit of Nova Scotia Power, Inc. (Matter M09548)
- On behalf of the Nova Scotia Utility and Review Board, provided oral testimony (with co-author) concerning the Application by Nova Scotia Power Maritime Link Incorporated for Approval of the 2021 Interim Cost Assessment (Matter M09810)
- On behalf of the Commonwealth of Massachusetts Office of Attorney General, provided oral and written testimony concerning the request of Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid, NSTAR Electric Company d/b/a Eversource Energy, and Fitchburg Gas and Electric Light Company d/b/a Unitil of approval of six purchase power agreements for offshore wind, the competitive procurement process, and the utilities' request for remuneration payments (Massachusetts Department of Public Utilities, Docket Nos. D.P.U. 20-16, D.P.U. 20-17, D.P.U. 20-18)
- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony (with co-author) concerning the Application by Nova Scotia Power Maritime Link Incorporated for Approval of the 2020 Interim Cost Assessment (Matter M09277)
- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony (with co-authors) concerning the Application by Nova Scotia Power, Inc. for Approval of its 2020-2022 Fuel Stability Plan (Matter M09288)

- On behalf of the Nova Scotia Utility and Review Board, provided oral and written testimony (with co-authors) concerning the 2018 Fuel Adjustment Mechanism Audit of Nova Scotia Power, Inc. (Matter M08195)
- On behalf of the Commonwealth of Massachusetts Office of Attorney General, provided oral and written testimony concerning the request of Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid, NSTAR Electric Company d/b/a Eversource Energy, and Fitchburg Gas and Electric Light Company d/b/a Unitil for remuneration payments under clean energy power purchase agreements and transmission service agreements (Massachusetts Department of Public Utilities, Docket Nos. D.P.U. 18-64, D.P.U. 18-65, D.P.U. 18-66)
- On behalf of the Commonwealth of Massachusetts Office of Attorney General, provided oral and written testimony concerning the request of Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid, NSTAR Electric Company d/b/a Eversource Energy, and Fitchburg Gas and Electric Light Company d/b/a Unitil for remuneration payments under six offshore wind power purchase agreements (Massachusetts Department of Public Utilities, Docket Nos. D.P.U. 18-76, D.P.U. 18-77, D.P.U. 18-78)
- On behalf of Newfoundland and Labrador Hydro and Nalcor Energy Marketing Corporation, provided testimony concerning Hydro-Québec TransÉnergie's acceptance of capacity e-tags for reserve scheduling. (Régie de l'énergie, No. P-130-004)
- On behalf of the Mississippi Public Service Commission, provided direct testimony and a recommendation on the results of the Independent Auditor's Report on the Annual Management Review Audit of Entergy Mississippi, Inc. (October 1, 2012–September 30, 2014)
- On behalf of the Mississippi Public Service Commission, gave direct testimony and a recommendation to the Mississippi Public Service Commission on the results of the Independent Auditor's Report on the Annual Management Review Audit of Entergy Mississippi, Inc.
- On behalf of TransCanada Energy Ltd., provided direct and rebuttal evidence and oral testimony concerning the Alberta Electric System Operator's approach to allocating transmission import capability. (Alberta Utilities Commission, Proceeding 1633)
- On behalf of Capital Power Corporation, TransCanada Energy Ltd., and TransAlta Corporation, provided direct evidence and oral testimony concerning Milner Power Inc.'s Transmission Loss Factor Rule and Loss Factor Methodology Complaint. (Alberta Utilities Commission, Application No. 1606494)

Consulting reports

- Post-Bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2025 Procurement of Indexed Renewable Energy Credits from Wind, Solar, Brownfield, and Hydropower Resources. For the Illinois Commerce Commission (December 2025).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Renewable Dispatchable Generation and Energy Storage on Maui. For the Hawaii Public Utilities Commission (December 2025).
- Submission Regarding Nova Scotia Power, Inc.'s Application for Approval of a Third Term for the Extra Large Industrial Active Demand Control (ELIADC) Tariff, matter M12184. For the Nova Scotia Energy Board (November 2025).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Renewable Dispatchable Generation and Energy Storage on O'ahu. For the Hawaii Public Utilities Commission (November 2025).

- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2025 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2025).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2025 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2025).
- Post-Bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Summer 2025 Procurement of Indexed Renewable Energy Credits from Wind, Solar, Brownfield, and Hydropower Resources. For the Illinois Commerce Commission (August 2025).
- Submission regarding Nova Scotia Power, Inc.'s Extension Application for the Extra Large Industrial Active Demand Control Tariff. For the Nova Scotia Energy Board (June 2025).
- Comments regarding Nova Scotia Power, Inc.'s Extra Large Industrial Active Demand Control (ELIADC) Tariff – 2024 Annual Report. For the Nova Scotia Energy Board (May 2025).
- Initial Comments on the Summer 2024 Through Spring 2025 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2025).
- Initial Comments on the Summer 2024 Through Spring 2025 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2025).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2025 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (May 2025).
- Pre-Bid Report of the Independent Observer for the Hawaiian Electric Companies' Integrated Grid Planning Request for Proposals for Renewable Dispatchable Generation and Energy Storage on O'ahu and Hawai'i Island. For the Hawaii Public Utilities Commission (April 2025).
- Integrated Resource Plan Request for Proposals Design Considerations in Light of Lessons Learned from Stage 3 Requests for Proposals (Independent Observer Comments). For the Hawaii Public Utilities Commission (April 2025).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2025 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2025).
- The Independent Evaluator's Report Regarding Public Service Company of New Mexico's Request for Proposals for Firm Capacity Resources with Guaranteed Commercial Operation Dates of April 1, 2028 or Earlier. Presented to the New Mexico Public Regulation Commission. (December 2024).
- Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement. For the Mississippi Public Service Commission (December 2024).
- Post-Bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2024 Procurement of Indexed Renewable Energy Credits from Wind, Solar, Brownfield, and Hydropower Resources. For the Illinois Commerce Commission (December 2024).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2024 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2024).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2024 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2024).

- Assessment of Newfoundland and Labrador Hydro's 2024 Resource Adequacy Plan. For the Newfoundland and Labrador Board of Commissioners of Public Utilities. (August 2024).
- Management Review Audit of NorthWestern Energy Public Service Corporation d/b/a NorthWestern Energy. For the Nebraska Public Service Commission (August 2024).
- Post-Bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Summer 2024 Procurement of Indexed Renewable Energy Credits from Wind, Solar, Brownfield, and Hydropower Resources. For the Illinois Commerce Commission (July 2024).
- Assessment of Newfoundland and Labrador Hydro's Long-Term Load Forecast Report – 2023. For the Newfoundland and Labrador Board of Commissioners of Public Utilities. (July 2024).
- Initial Comments on the Summer 2023 Through Spring 2024 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2024).
- Initial Comments on the Summer 2023 Through Spring 2024 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2024).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2024 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (May 2024).
- The Independent Observer's Report Regarding Hawaiian Electric Light Company, Inc.'s Request for Proposals for North Kohala Energy Storage for Integration with Microgrid on Island of Hawaii. For the Hawaii Public Utilities Commission (April 2024).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2024 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2024).
- Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement. For the Mississippi Public Service Commission (December 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company December 2023 Procurement of Indexed Renewable Energy Credits from Wind, Solar, and Brownfield Solar Resources. For the Illinois Commerce Commission (December 2023).
- The Independent Evaluator's Report Regarding Public Service Company of New Mexico's Request for Proposals for Firm Capacity Resources with Guaranteed Commercial Operation Dates of April 1, 2026 or Earlier. Presented to the New Mexico Public Regulation Commission. (November 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2023 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2023 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2023).
- Management Review Audit of Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy. For the Nebraska Public Service Commission (August 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Summer 2023 Procurement of Indexed Renewable Energy Credits from Wind, Solar, and Brownfield Solar Resources. For the Illinois Commerce Commission (June 2023).

- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2023 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (June 2023).
- Initial Comments on the Summer 2022 Through Spring 2023 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2023).
- Initial Comments on the Summer 2022 Through Spring 2023 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2023 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2023).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Early 2023 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (February 2023).
- Management Review Audit of Mississippi Power Company Fuel and Electricity Procurement. For the Mississippi Public Service Commission (December 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company December 2022 Procurement of Indexed Renewable Energy Credits from Wind, Solar, and Brownfield Solar Resources. For the Illinois Commerce Commission (December 2022).
- Audit of Nova Scotia Power, Inc.'s Fuel Adjustment Mechanism for 2020-2021. For the Nova Scotia Utility and Review Board (November 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2022 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2022).
- Initial Comments on the Summer 2021 Through Spring 2022 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2022).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Delivery of Grid Services from Customer-Sited Distributed Energy Resources on Island of O'ahu. For the Hawaii Public Utilities Commission (June 2022).
- Initial Comments on the Summer 2021 Through Spring 2022 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Supplemental Spring 2022 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (May 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2022 Procurement of Indexed Renewable Energy Credits from Wind, Solar, and Brownfield Solar Resources. For the Illinois Commerce Commission (May 2022).
- The Independent Observer's Report Regarding Hawaiian Electric Companies' Kūpono Solar-Plus-Storage Project and Power Purchase Agreement on Oahu. For the Hawaii Public Utilities Commission (April 2022).

- Post-Application Report of the Procurement Monitor for the Ameren Illinois Company and Commonwealth Edison Company Procurement of Renewable Energy Credits Under the Coal to Solar and Energy Storage Initiative. For the Illinois Commerce Commission (April 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2022 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (April 2022).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2022 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2022).
- Post-bid Report of the Procurement Monitor for the Commonwealth Edison Company's 2021 Procurement of Carbon Mitigation Credits. For the Illinois Commerce Commission (November 2021).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2021 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2021).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2021 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2021).
- Initial Comments on the Summer 2020 Through Spring 2021 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2021).
- Initial Comments on the Summer 2020 Through Spring 2021 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2021).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2021 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (April 2021).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2021 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2021).
- Post-bid Report of the Procurement Monitor for the Illinois Power Agency March 2021 Procurement of Renewable Energy Credits from Utility-Scale Wind Resources. For the Illinois Commerce Commission (March 2021).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Variable Renewable Dispatchable Generation and Energy Storage on Hawai'i. For the Hawaii Public Utilities Commission (December 2020).
- Comments on Nova Scotia Power, Inc.'s Final Integrated Resource Plan Report. For the Nova Scotia Utility and Review Board (December 2020).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Variable Renewable Dispatchable Generation and Energy Storage on O'ahu. For the Hawaii Public Utilities Commission (October 2020).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Delivery of Grid Services from Customer-Sited Distributed Energy Resources on Islands of O'ahu, Maui, and Hawai'i. For the Hawaii Public Utilities Commission (October 2020).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2020 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2020).

- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2020 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2020).
- Audit of Nova Scotia Power, Inc.'s Fuel Adjustment Mechanism for 2018-2019. For the Nova Scotia Utility and Review Board (August 2020).
- Initial Comments on the Summer 2019 Through Spring 2020 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2020).
- Initial Comments on the Summer 2019 Through Spring 2020 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2020).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's April 2020 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (April 2020).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2020 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2020).
- Post-bid Report of the Procurement Monitor for the Illinois Power Agency Low-Income Community Solar Pilot Request for Proposals. For the Illinois Commerce Commission (December 2019).
- Post-bid Report of the Procurement Monitor for the Illinois Power Agency December 2019 Procurement For Renewable Energy Credits from Non-Solar Community Renewables. For the Illinois Commerce Commission (December 2019).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company and Commonwealth Edison Company October 2019 Utility-Scale Wind Procurement for Renewable Energy Credits from Wind Resources. For the Illinois Commerce Commission (October 2019).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2019 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2019).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2019 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2019).
- Pre-Bid Report of the Independent Observer for the Hawaiian Electric Companies' Request for Proposals for Variable Renewable Dispatchable Generation and Energy Storage on O'ahu and Hawai'i Island and for Delivery of Grid Services from Customer-Sited Distributed Energy Resources. For the Hawaii Public Utilities Commission (August 2019).
- Post-Bid Report of the Procurement Monitor for the Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company July 2019 Procurement for Renewable Energy Credits from Brownfield Solar Resources. For the Illinois Commerce Commission (July 2019).
- Initial Comments on the Summer 2018 Through Spring 2019 Renewable Resource Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2019).
- Initial Comments on the Summer 2018 Through Spring 2019 Electric Procurement Events, Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (May 2019).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2019 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (April 2019).

- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2019 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2019).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Dispatchable and Renewable Generation on Hawai'i Island. For the Hawaii Public Utilities Commission (January 2019).
- Independent Observer's Report Regarding Hawaiian Electric Companies' Request for Proposals for Dispatchable and Renewable Generation on O'ahu. For the Hawaii Public Utilities Commission (January 2019).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company November 2018 Utility-Scale Wind Procurement for Renewable Energy Credits from Brownfield and Utility-Scale Solar Resources. For the Illinois Commerce Commission (November 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company October 2018 Utility-Scale Wind Procurement for Renewable Energy Credits from Wind Resources. For the Illinois Commerce Commission (October 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2018 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (September 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2018 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2018).
- Initial Comments on Summer 2017 through Spring 2018 Electric Procurement Events Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (July 2018).
- Audit of Nova Scotia Power, Inc.'s Fuel Adjustment Mechanism for 2016-2017. For the Nova Scotia Utility and Review Board (July 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company April 2018 New Solar Procurement for Renewable Energy Credits from Solar Resources. For the Illinois Commerce Commission (April 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Spring 2018 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (April 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2018 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company March 2018 New Solar Procurement for Renewable Energy Credits from Solar Resources. For the Illinois Commerce Commission (March 2018).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's February 20, 2018 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (February 2018).
- Report of the Commission's Consultant Regarding FirstEnergy's Supplemental February 2018 PIPP RFP. For the Public Utilities Commission of Ohio (February 2018).
- The Independent Evaluator's Final Report on PacifiCorp's 2017R Request for Proposals. Presented to the Oregon Public Utility Commission (February 2018).

- Pre-Bid Report of the Independent Observer for the Hawaiian Electric Companies' Request for Proposals for Dispatchable and Renewable Generation on O'ahu and Hawai'i Island. Presented to the Hawai'i Public Utilities Commission (February 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company 2017/2018 Procurement for Zero Emission Credits. For the Illinois Commerce Commission (January 2018).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company 2017 Initial Forward Procurement for Renewable Energy Credits from Wind and Solar Resources. For the Illinois Commerce Commission (September 2017).
- The Independent Evaluator's Assessment of PacifiCorp's Final Draft 2017R Request for Proposals. For the Oregon Public Utility Commission (August 2017).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's Fall 2017 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (August 2017).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Fall 2017 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (August 2017).
- Initial Comments on Summer 2016 through Spring 2017 Electric Procurement Events Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (July 2017).
- Report of the Commission's Consultant Regarding Dayton Power & Light's 2017 PIPP RFP. For the Public Utilities Commission of Ohio (May 2017).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2017 RFP to Procure Distributed Generation Renewable Energy Credits. For the Illinois Commerce Commission (May 2017).
- Report of the Commission's Consultant Regarding Dayton Power & Light's April 2017 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (April 2017).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's Supplemental April 2017 PIPP RFP. For the Public Utilities Commission of Ohio (April 2017).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2017 RFPs to Procure Block Energy/Standard Products. For the Illinois Commerce Commission (April 2017).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's March 2017 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (March 2017).
- Report of the Commission's Consultant Regarding FirstEnergy's January 2017 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (February 2017).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's November 2016 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (November 2016).
- Report of the Commission's Consultant Regarding FirstEnergy's October 2016 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (October 2016).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company's Fall 2016 RFPs to Procure Standard Block Energy Products. For the Illinois Commerce Commission (September 2016).

- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's September 2016 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2016).
- Expert Report Concerning Hydro-Québec TransÉnergie's Acceptance of Capacity E-Tags for Reserve Scheduling. Régie de l'énergie, No. P-130-004 (May 2016).
- Initial Comments on Summer 2015–Spring 2016 Electric Procurement Events Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2016).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company 2016 RFPs to Procure Renewable Energy Credits. For the Illinois Commerce Commission (May 2016).
- Post-bid Report of the Procurement Monitor for the Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company Spring 2016 RFPs to Procure Standard Block Energy Products. For the Illinois Commerce Commission (April 2016).
- Southwest Power Pool Annual Looking Forward Report: Strategic Issues Facing the Electricity Business. For the Southwest Power Pool Board of Directors (April 2016).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's March 2016 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (March 2016).
- Independent Observer's Report on the Results of the Negotiation Phase of Hawaii Electric Company's Request for Proposals for Renewable Geothermal Dispatchable Energy and Firm Capacity Resources. For the Hawaii Public Utilities Commission (February 2016).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's November 2015 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (November 2015).
- Report of the Commission's Consultant Regarding Dayton Power & Light's September 2015 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (September 2015).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's and Commonwealth Edison Company's September 2015 RFPs to Procure Standard Block Energy Products. For the Illinois Commerce Commission (September 2015).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's September 2015 RFP to Procure Zonal Resource Credits. For the Illinois Commerce Commission (September 2015).
- Initial Comments on the 2015 Electric Procurement Events Pursuant to Section 16-111.5(o) of the Illinois Public Utilities Act. For the Illinois Commerce Commission (June 2015).
- Report of the Commission's Consultant Regarding Duke Energy Ohio's May 2015 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (May 2015).
- Independent Observer's Final Report on Hawaii Electric Company's Final Request for Proposals for Renewable Geothermal Dispatchable Energy and Firm Capacity Resources. For the Hawaii Public Utilities Commission (May 2015).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's and Commonwealth Edison Company's 2015 RFPs to Procure Solar Renewable Energy Credits. For the Illinois Commerce Commission (April 2015).
- Southwest Power Pool Annual Looking Forward Report: Strategic Issues Facing the Electricity Business. For the Southwest Power Pool Board of Directors (April 2015).
- Post-bid Report of the Procurement Monitor for Ameren Illinois Company's and Commonwealth Edison Company's Spring 2015 RFPs to Procure Standard Block Energy Products. For the Illinois Commerce Commission (March 2015).

- Independent Auditor's Report on the Annual Management Review Audit of Entergy Mississippi, Inc. for October 1, 2012 through September 30, 2014. For the Mississippi Public Service Commission (December 2014).
- Report of the Commission's Consultant Regarding Dayton Power & Light's September 2014 Standard Service Offer Auction. For the Public Utilities Commission of Ohio (September 2014).
- Southwest Power Pool Annual Looking Forward Report: Strategic Issues Facing the Electricity Business. For the Southwest Power Pool Board of Directors (April 2014).
- Southwest Power Pool Annual Looking Forward Report. For the Southwest Power Pool Board of Directors (April 2013).
- Independent Auditor's Report on the Annual Management Review Audit of Entergy Mississippi, Inc. For the Mississippi Public Service Commission (December 2012).
- Southwest Power Pool Annual Looking Forward Report. For the Southwest Power Pool Board of Directors (April 2012).
- Review of Terms and Conditions for Long-Term Contracts for Renewable Ocean Energy. For the Governor's Office of Energy Independence and Security for the State of Maine (April 2012).
- Southwest Power Pool Annual Looking Forward Report. For the Southwest Power Pool Board of Directors (April 2011).
- Summary of Discussion Regarding Boston Pacific's Integrated Marketplace Recommendations. For the Southwest Power Pool Board of Directors (March 2011).
- Review of the Southwest Power Pool's Integrated Marketplace Proposal. For the Southwest Power Pool Board of Directors (December 2010).

Other professional experience

Prior to joining Bates White, Mr. Musco was a Managing Director with Boston Pacific Company, where he focused on market design, working on behalf of the Southwest Power Pool, state commissions, and wholesale market participants. Before that, he worked as an Economist with the Federal Energy Regulatory Commission on market design issues in the California ISO, PJM Interconnection, New England ISO, and New York ISO.

Selected experience

- Served as Consulting Expert on behalf of the Public Utilities Commission of Texas in assessing a proposed acquisition of Texas New Mexico Power by Blackstone, Inc.
- Led efforts as Procurement Monitor on behalf of the Illinois Commerce Commission in the procurement of energy, capacity, zero emissions credits, and renewable energy credits from wind, solar, brownfield solar, and distributed generation for three Illinois utilities
- Testified on behalf of the Massachusetts Attorney General's Office regarding three Massachusetts electric utilities' request for remuneration payments under six offshore wind power purchase agreements
- Directed audit of Nova Scotia Power, Inc.'s fuel and electric power purchases and sales, on behalf of the Nova Scotia Utility and Review Board
- Consulting on behalf of a confidential market participant regarding capacity market design in Alberta
- Directed report on Southwest Power Pool's (SPP) Integrated Marketplace design and performed analysis on SPP's day-ahead market design, including resource adequacy issues, financial

transmission rights, virtual bidding, creditworthiness requirements, settlements, and market monitoring.

- Consulted for SPP's Board of Directors on a variety of issues, including electric vehicles, demand response, distributed generation, bid cost recovery and resettlements, transmission cost allocation, retail electricity pricing, and compliance matters such as the Federal Energy Regulatory Commission's (FERC) Order No. 1000 and Dodd-Frank legislation
- Led a reliability audit of a major US utility on behalf of FERC and the North American Electric Reliability Corporation
- Consulted on behalf of the Texas Public Utilities Commission in analyzing a proposed acquisition of a major utility
- Led Boston Pacific's merchant transmission practice in designing and executing open seasons and open solicitations for private merchant transmission developers that meet FERC's open access and competitive requirements
- Evaluated competitive offers to build new geothermal resources in Hawaii, providing written reports to the Hawaii Public Utilities Commission
- Worked on US market rule and market design issues related to energy, capacity, ancillary services, demand response, financial transmission rights, virtual bidding, and scarcity pricing in most of the major US ISO and RTO markets

Publications

- "Communities Advancing the U.S. Energy Transition" (with Carolyn Berry). *IAEE Energy Forum* (First Quarter 2024).
- "Goldilocks and the Grid: Creating 'No Regrets' State Policies and Regulations for Electric Vehicles" (with Craig Roach, Nicolás Puga, and Glenn R. George). (May 2019). Available at https://www.bateswhite.com/media/publication/177_Goldilocks%20and%20the%20Grid.v2.pdf.
- "Unsung Benefits of Wholesale Competition to Electricity Customers Who Forgo Retail Competition." *Electricity Journal* (October 2017).
- "Why Shared, Autonomous Vehicles Will Be Electric." *BPC In Brief* (June 2016).
- With Craig Roach. "Federal Versus State Jurisdiction in the Electricity Business." *Public Utilities Fortnightly* (May 2016).
- "Illinois Helps Spur New Distributed Solar Generation." *BPC In Brief* (August 2015).
- "Are Decentralized Resources an Existential Competitive Threat to the Grid?" *BPC In Brief* (May 2015).
- "Back to Basics on Demand Response Compensation." *BPC In Brief* (October 2014).
- With Frank Mossburg. "Partnership, Not Preemption." *Public Utilities Fortnightly* (December 2013).

Presentations and panels

- "Electric Vehicles." Panelist at 47th Annual Public Utility Research Center Conference at the University of Florida "Rates, Realities, and Risks: Ratemaking for Tomorrow." Gainesville, FL (February 2020).
- "Barriers to Community Solar Adoption." Panelist at George Washington University's 2020 Community Solar Workshop "Examining Community Solar Programs to Understand the Role of Policies on Accessibility and Investment." Washington, DC (February 2020).

- “Avoiding Debates—Aligning Planning with Procurement.” Presentation at the EUCI 2019 Hawai’i Power Summit, Post-Conference Workshop, Honolulu, HI (January 2019).
- “Assessing Available Carbon-Free/Renewable Generation Resources.” Presentation at the EUCI 2019 Hawai’i Power Summit, Post-Conference Workshop, Honolulu, HI (January 2019).
- “Competitive Procurement in Hawai’i.” Presentation at the EUCI 2019 Hawai’i Power Summit, Honolulu, HI (January 2019).
- “Overview of the 2017 Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Tulsa, OK (April 2017).
- “Overview of the 2017 Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (April 2017).
- “Case Study: New England Clean Power Link.” Presentation at the 2016 Platts Transmission Planning and Development Conference, Arlington, VA (June 2016).
- “Southwest Power Pool Annual Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Santa Fe, NM (April 2016).
- “Preliminary Overview of the 2016 Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (March 2016).
- “Overview of the Open Solicitation Process for the New England Clean Power Link.” Presentation at the Webex Information Session for TDI New England’s Open Solicitation for the New England Clean Power Link, Washington, DC (November 2015).
- “Southwest Power Pool 2015 Annual Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Tulsa, OK (April 2015).
- “Preliminary Overview of the 2015 Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (March 2015).
- “Overview of the 2014 Annual Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Oklahoma City, OK (April 2014).
- “Preliminary Overview of the 2014 Looking Forward Report: Strategic Issues Facing the Electricity Business.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (March 2014).
- “Market Monitoring, Mitigation, and Competition.” Joint presentation to the Office of Energy Policy and Innovation at the Federal Energy Regulatory Commission, Washington, DC (May 2013).
- “Overview of the 2013 Annual Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Kansas City, MO (April 2013).
- “Preliminary Overview of the 2013 Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (March 2013).
- “Overview of the Annual Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Oklahoma City, OK (April 2012).
- “Overview of the Annual Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (March 2012).

- “A Basic Electricity Primer.” Joint presentation at the Natural Gas / Renewable Energy Dialogue on Grid Integration Issues, Arlington, VA (June 2011).
- “Overview of the Annual Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors and Members Committee, Tulsa, OK (April 2011).
- “Status Report on the Integrated Marketplace Proposal.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (April 2011).
- “Overview of the Annual Looking Forward Report.” Joint presentation to the Southwest Power Pool Board of Directors Oversight Committee, Washington, DC (April 2011).
- “Summary of Recommendations in Our Report: A Review of the Southwest Power Pool’s Integrated Marketplace Proposal.” Joint presentation to the Southwest Power Pool Board of Directors, New Orleans, LA (January 2011).
- “Technical Conference Regarding California Independent System Operator Corporation’s Exceptional Dispatch Mechanism and Proposed Mitigation Plan.” Staff Moderator at FERC’s Technical Conference, Washington, DC (November 2008).
- “Reliability Standard Compliance and Enforcement in Regions with Independent System Operators and Regional Transmission Organizations.” Staff Panel Member at FERC’s Technical Conference, Washington, DC (September 2007).
- “Technical Conference Regarding Parameters for New York Independent System Operator’s Installed Capacity Requirement Demand Curve.” Staff Panel Member at FERC’s Technical Conference, Washington, DC (March 2005).
- “Cross Sound Cable and 1385 Cables Settlement between the Northeast Utilities Service Company, Connecticut Light & Power, and the Long Island Power Authority.” Staff Joint Presenter at FERC’s Open Meeting, Washington, DC (June 2004).