

Summary

Andrew Cottrell is a partner at ScottMadden and has more than 17 years of experience in the energy industry. Before joining ScottMadden in 2023, Andrew was managing director at Applied Energy Group's Utility Consulting Group, leading the planning and program design group. While at AEG, he provided analytical and strategic direction for a comprehensive range of demand-side projects and studies covering energy efficiency, demand response, customer generation, and end-use technologies in the context of program design and implementation, program evaluation, market potential, and business strategy. Andrew holds an M.P.P. from Rutgers, The State University of New Jersey – Edward J. Bloustein School of Planning and Public Policy and an A.B. in engineering from Lafayette College. He is a Certified Measurement and Verification Professional (CMVP).

Areas of Specialization

- Demand-Side Management
- Expert Witness Testimony
- Regulatory Policy
- Clean Energy Transition
- Grid Edge
- Decarbonization
- Electrification Strategy and Implementation

Recent Articles and Speeches

- "How States Are Tackling Clean Heat and What It Means for Utilities." Utility Dive. March 2023
- "The Future Is Now: New Frontiers in the Gas Space – Learnings from Demand Response and Hydrogen." AESP National Conference. 2022
- "EM&V for Energy Efficiency for the Clean Power Plan." Mid-Atlantic Regional Air Managers Association Clean Power Plan Workshop. 2016
- "Cost-Effectiveness Analysis in New Jersey and New York." ACI Mid-Atlantic Regional Home Performance Conference. 2015

Recent Assignments

- Designed cost-effective energy efficiency and demand response programs ready for delivery in all regions of the United States and for all fuel types by providing expert testimony, regulatory support, program design support, analytical support, strategic support, and cost-effectiveness analysis. Also represented clients in stakeholder meetings and negotiations
- Developed and testified in support of a cost-effectiveness framework to evaluate grid investments
- Led the development of beneficial electrification plans for transportation and building electrification for utilities in the Midwest and Southwest
- Directed the development of a gas decarbonization plan for a southwestern gas utility, including expert testimony and regulatory
- Designed a methodology for analyzing cost-effectiveness of utility performance metrics then implemented the methodology of proposed performance metrics and testified, defending the methodology and its results
- Managed strategic planning, program evaluation, and market potential studies for demand-side management in regional and national contexts for a broad list of clients
- Led tool and model development for the analysis of program design, cost-effectiveness testing, demand response, energy efficiency, combined heat and power, distributed generation, and technology and measure characterization. This included managing a comprehensive project to develop an integrated program planning and cost-effectiveness tool, which is utilized by many utilities across the country for program planning and evaluation
- Contributed to national client and conference publications and presentations, including analysis of program planning, cost-effectiveness analysis, program evaluation, and evaluation strategies for the Clean Power Plan