



**ROCKY MOUNTAIN**  
MINERAL LAW FOUNDATION

Renewable Energy Webinar Series  
Sponsored by the RMMLF Renewable Energy Task Force

# Energy Storage Technology and Regulatory Implications for Renewable Energy Power Supply



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Friday, March 19, 2021

12:00 pm PDT, 1:00 pm MDT, 2:00 pm CDT, 3:00 pm EDT for 1.5 hours

**Complimentary Registration for RMMLF Members!**

Government \$50 | Nonprofit \$50 | Nonmember \$55

# Energy Storage Technology and Regulatory Implications for Renewable Energy Power Supply

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This webinar will provide a primer on energy storage technology, challenges facing electric utilities in incorporating energy storage on their systems, and legal and regulatory opportunities and challenges for public utilities regulated by state commissions. Energy storage is becoming a more important part of electric utilities' resource portfolios to serve power consumers. The increase in renewable energy in utility portfolios and abandonment of fossil fuel-fired baseload generation poses challenges for utilities to maintain reliable service for customers when wind and solar generation are not available or when intermittent generation does not match well with a utility's peak consumption demands. Large power consumers, including oil, gas, mining, and processing companies, can be particularly vulnerable to power reliability concerns and also want, like all consumers, to manage their electric power costs. Companies also may have internal policies or objectives that support "greener" approaches to power generation. Energy storage is a key piece of how utilities will incorporate more "green" power alternatives and provide reliable electric service.

Topics to be covered in this webinar include:

- Basics of electric energy storage technologies, including batteries.
- Recent and expected trends in costs of and incorporation of energy storage in utility systems.
- Challenges for electric utilities to incorporate storage on their system, including matching energy dispatch with peak demand as it may change minute to minute as well as how it evolves seasonally and annually.
- Legal and regulatory opportunities and constraints, including increasing renewable energy and zero carbon standards, reliability requirements and measures, and safety codes.

## Speaker Biographies

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JULIAN BOGGS works to advance energy storage in state legislatures and utility commissions in key states across the country as ESA's State Policy Director. Previously, he was the Policy Director for the Keystone Energy Efficiency Alliance (KEEA) where he helped secure extension of the state's utility energy efficiency programs, establish Commercial Property Assessed Clean Energy in Pennsylvania, and was a leading voice in Harrisburg on energy policy. Prior to working at KEEA, Julian played a key role in defending progress on energy efficiency standards in Ohio and worked in Washington D.C. on federal clean energy policy. He has been an advocate for advanced energy policies since 2009 and has a bachelor's degree from Colorado College.

JAMES CURRY is a shareholder in Babst Calland's Washington, D.C. Office. Jim is an energy lawyer with over 15 years of experience in government service and private practice helping clients navigate regulatory and strategic challenges throughout the energy sector. His clients include utilities, energy producers, pipelines, LNG terminals, investors, technology companies and hydrogen infrastructure developers. Applying his experience from day-to-day safety regulatory counseling, dozens of enforcement matters, internal and government investigations, rulemakings, energy projects and in appellate litigation, Jim identifies and executes creative legal and strategic pathways to help clients achieve their objectives.

## Speaker Biographies (cont.)

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JOAN DRAKE has assisted clients for nearly twenty years as a lawyer on utility regulation and environmental permitting matters. In utility matters, Joan represents clients on matters involving state and federal regulation of electric and gas utility rates and service, facility siting, wholesale and retail sales, utility acquisition, renewable energy and Qualifying Facilities (“QF”), electric transmission and interconnection, gas pipelines, power purchase and service agreements, and energy efficiency. In addition to representing clients on individual matters before the New Mexico Public Regulation Commission (“PRC”), Joan monitors and updates her clients on regulatory and legislative developments of interest to energy, utility, and transmission companies doing business in New Mexico and throughout the West. Prior to her legal career, Joan was an environmental regulatory specialist with the U.S. Army Corps of Engineers in Los Angeles and New England, and has many years of experience implementing federal environmental laws, including NEPA, the Clean Water Act, and other related laws.

NICK PHILLIPS manages the PNM Resource Planning department and is responsible for developing PNM resource plans and the regulatory filings to support those resource plans. Prior to joining PNM, Mr. Phillips was involved with numerous regulated and competitive electric service issues including resource planning, transmission planning, production cost analysis, electric price forecasting, load forecasting, class cost of service analysis, and rate design. Mr. Phillips received the Degree of Master of Engineering in Electrical Engineering with a concentration in Electric Power and Energy Systems from Iowa State University of Science and Technology, and the Degree of Master of Science in Computational Finance and Risk Management from the University of Washington Seattle.

