

## **OVERVIEW**

Chris DeRidder is a senior consultant with over 10 years of experience in the energy industry with a focus in renewable generation market risk and electricity price forecasting. His expertise includes the following areas:

- Transmission congestion risk and analysis
- Energy Price forecasting
- Qualitatively determined risk for new renewable generation
- Transmission and Market Risk Assessment
- Transmission policy and regulatory
- Transmission system, market benchmarking and data modeling
- Development and utilization of long-term production cost simulation models and Security Constrained Economic Dispatch (SCED) models.

During his career, Mr. DeRidder has performed transmission planning, fundamental market analysis, and portfolio analytics and optimization. He has a strong understanding of SCED analysis, capacity markets, and market issues.

## **PROJECT EXPERIENCE**

Mr. DeRidder has managed and has been a key contributor to the following:

### ***Economic Dispatch Analysis***

Mr. DeRidder has managed and performed numerous Security Constrained Economic Dispatch (SCED) assessments for a wide range of renewable generation projects for asset owners, prospective buyers and financial lenders. The SCED analysis was used to evaluate transmission impacts for future transmission planning, power price forecasting for market projections and future revenue, congestion analysis between generating sources and load resources. Mr. DeRidder also quantified curtailment risk for future generation projects. The SCED analysis help estimate Locational Marginal Pricing basis differentials between project nodes and market hubs representing congestion risk and understand the impact of current and future transmission upgrades and generator additions on the project nodes and revenue projections for the generating unit.

## **PROFESSIONAL HISTORY**

Mr. DeRidder began his professional career with Sargent & Lundy as a transmission line engineer in Chicago, Illinois. At Sargent & Lundy, Mr. DeRidder led and contributed in the design of multiple high voltage transmission line design projects for multiple utilities around the nation. Mr. DeRidder currently has his Professional Engineering license in several states.



**CHRIS DERIDDER, PE**

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## ***EDUCATIONAL AND PERSONAL***

Mr. DeRidder has a B.S. degree in Civil Engineering from Michigan State University. Mr. DeRidder currently resides in Denver, Colorado and spends his free time whitewater rafting and fly fishing.