

A Transmission Success Story: The MISO MVP Transmission Portfolio

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Synopsis

On July 15, 2010, the MISO filed its Multi-Value Transmission Project (MVP) tariff with the Federal Energy Regulatory Commission (FERC). This filing was the culmination of a 6-year multi-phased, collaborative, and iterative effort that produced over \$5B of investment in roughly 2,200 miles of new transmission in the portfolio of 17 MVP projects, the largest and most successful transmission build-out in recent history. The successful planning, approval and construction of MVP transmission projects is a complex tale of collaboration, disagreement, and compromise. Grounded in MISO's analysis and fortified with input and leadership from governors, state regulators, transmission owners, renewables advocates, and other market participants, the benefits of the MVP projects have far exceeded their costs while enabling wind energy to reach load and enhance reliability and economic efficiency for the Midwest region.

This paper summarizes the six years of extensive planning and the inclusive development process that went into this MVP transmission effort. It is an effort that combined qualitative and quantitative analysis, the balancing and trade-offs of policy and political goals and includes cutting the gordian cost allocation knot. Understanding and appreciating the ingredients that made this MVP process so successful may be helpful to those struggling with similar challenges.

¹ **DISCLAIMER:** This paper was sponsored by the Edison Electric Institute. This "story" is the authors' story. As participants and direct observers in the MVP process, it is based on our memory, experiences and to some extent refreshed by reviewing our files and public information. David Boyd was Co-Chair of the UMTDI, a member of the MN Public Utility Commission from 2007 to 2015 and its chair from 2012 to 2015 and VP for Government and Regulatory Affairs at MISO from 2015 to 2019. Edward Garvey was a member of the MN PUC from 1997 through 2002; was Deputy Commissioner of Commerce for Energy & Director of the MN Office of Energy Security where he was the chief policy advisor to then MN Governor Tim Pawlenty from 2003 to 2008.