MISO WISO

The Evolving MISO Generation Portfolio

Midwestern Governors Association meeting Oct 18, 2018 MISO, Ling Hua

MISO & neighboring U.S. electric grid operators

MISO

- 15 states
- 42 million customers
- \$27 billion market
- 175,000 MW*
- ~ 180 members
- > 400 market participants





The region continues to successfully navigate the dynamic environment to create significant value





MISO's role continues to evolve as the industry's requirements change





MISO connects a large, diverse generation fleet, which is shifting significantly, with the pace accelerating.





The current generator interconnection queue consists of 530 projects totaling nearly 90 GW...





...which the existing transmission system cannot accommodate





As renewable penetration increases, planning and operating risk shifts and becomes more acute





Experience demonstrates that integrating renewable generation requires adaptation in planning, markets and operations



*Historical queue additions + forecasted additions of 50% of DPP queue wind and solar capacity

