

Transmission Expansion Planning at Midwest ISO

EPES Seminar

9/14/2010

Abstract: In this presentation, the speaker will share his summer internship experience at Midwest ISO with the audiences. First, the basic information of Midwest ISO, such as its responsibilities, markets structures, geographical coverage, etc., will be presented. The way Midwest ISO handle wind power in the market will also be discussed. Then the functions and responsibilities of the Transmission Asset Management (TAM) department and Regulatory and Economic Studies (RES) group will be introduced. The Midwest ISO transmission expansion planning (MTEP) processes will also be discussed. Finally, a description of the projects that the speaker did at Midwest ISO will be provided. The experience gained and the lessons learned during the summer internship will be discussed.

Brief biography: Yang Gu received the B.S. degree in electrical engineering from Shandong University, China, in 2007. Currently, he is a Ph.D. candidate in electrical engineering at Iowa State University, Ames, IA. His main areas of interest are power system capacity expansion planning, optimization theories, power system operation, balancing, day-ahead, and ancillary services markets.