

“Perfect Dispatch” and other activities at ISO New England

EPES Seminar

8/24/2010

Abstract: The speaker will share his experience of an eleven-week internship in ISO New England. A description of the New England ISO will be presented at first, including some basic information such as its organization, its responsibilities, and its geographical coverage. The market structures are introduced in terms of its day-ahead market, real time market, ancillary markets and the ongoing forward capacity market (FCM). How wind energy is handled, as well as its planning functions in ISO New England are also discussed. A description of job responsibilities will be provided, including an overview of the project, Perfect Dispatch for the real time market performance assessment of ISO New England. The result of this project was used to prove the worth of implementing the PD dispatch process in ISO NE. Currently ongoing projects that are significant to ISO-NE's will be described. Some comments on the benefits of the intern experience will be offered, with a discussion on how it affects his research activities at ISU as well as his long-term career.

Brief biography: Qin Wang, currently a PhD student in Iowa State University, has just experienced an internship in ISO New England from June to August 2010. He acquired his bachelor's degree from Huazhong University of Science and Technology in 2006, and master's degree from South China University of Technology in 2009. His current research area was on the Risk-based Optimal Power Flow for large systems.