

PESMC

Professional Engineering
Society of Mercer County

Reliability of The Electric Utility Industry after Deregulation

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Princeton – Central Jersey
Section

Abstract

Over the past 10 years, the electric power industry has been undergoing radical change in response to efforts to deregulate it. Once the domain of vertically integrated, highly regulated, investor owned utilities, the electric industry is now home to a variety of new market participants such as power marketers, independent system operators, and regional transmission organizations. Not all efforts at deregulation have been successful and unintended consequences have occurred in some areas of the country. The North American Electric Reliability Council (NERC) is a non-profit organization formed in the 1960s that is responsible for assessing and maintaining the reliability of the North American bulk electric systems. Tim Gallagher will present the reliability challenges that the changing industry is causing and how NERC is responding. This meeting is a joint meeting with (and organized by) Professional Engineering Society of Mercer County.

Speaker Biography

Tim joined the NERC staff in 1998 and works in the areas of available transfer capability, compliance, dynamics analysis and reliability assessment.

Prior to joining NERC, Tim spent ten years working for the former Centerior Energy Corporation (now part of the FirstEnergy Corporation) in Cleveland, Ohio. During his employment at Centerior, Tim worked in the areas of Generation Planning, System Protection, Transmission Planning, and both Control Area and Transmission System Operations. The last two years of Tim's employment with Centerior were spent developing the Centerior OASIS interfaces and ATC calculations, along with the day-to-day implementation of the Centerior Open Access Transmission Tariff.

Tim was heavily involved in both Regional and interregional studies during his tenure at Centerior. He is a former member of numerous ECAR Regional and subregional study assessment groups, a past chair of the MAAC-ECAR-NPCC (MEN) Operations Study Working Group, and a former member of the MEN Study Committee. Tim has a Bachelor of Electrical Engineering degree from Youngstown State University and a Master of Business Administration degree from Ashland University. In 1995, Tim graduated from the General Electric Power Systems Engineering Course (PSEC), Schenectady, New York. Tim is a member of IEEE and is a registered professional engineer in the State of Ohio. Tim most enjoys spending time with his wife and four children and rooting for the San Diego Chargers.

Date, Time and Location

DATE: September 4, 2002 (Wednesday).

TIME: Dinner starts at 7:00 PM and the presentation will start promptly after dinner (about 7.30 pm).

DINNER RESERVATION: If you are planning to join us for the dinner, the dinner selections for Sept. 4th meeting are as follows: New York Strip Steak, Char-Grilled Salmon, Chicken Marsala, Three Cheese Manicotti

Cost for Dinner: \$22.00 for each society member or guest (cash or check at meeting). "No Shows" will be billed. The cost for late registration and "walk ins" is \$27.00.

MAKE YOUR DINNER RESERVATION BY 4:00PM Aug. 30th CALL Dave Hutchinson AT (609) 219-6764 or

E-MAIL Dave at dhutchinson@arorapc.com

LOCATION: Marley's Alehouse, 1400 Parkway Ave. in Ewing.

DIRECTION:

1. From I-95 Take Exit 2, County Route 579 (Bear Tavern Road). At end of ramp, make a right turn onto Bear Tavern Road south to West Upper Ferry Road. Turn left onto West Upper Ferry Road, go $\frac{3}{4}$ mile to the Marazzo's Thrift Shopping Center. Make a left into the shopping center. Marley's is right next to Marazzo's.