



Candidate Profiles

Bethany Frew

**Engineer, Strategic Energy Analysis Center
National Renewable Energy Laboratory**

Bethany Frew has spent nearly 10 years building and using computational models to analyze the power system, both as a graduate student and as a researcher at the National Renewable Energy Laboratory. She is currently an Engineer in the Strategic Energy Analysis Center, where she is engaged in a variety of power system modeling activities. These include capacity expansion modeling and production cost modeling for a wide range of analysis topics, such as the impact of various market design and operational rules on revenue sufficiency, low-cost solar deployment studies, and methods to better represent the value of capacity of variable renewable resources and storage. Bethany joined NREL as a postdoctoral researcher in 2014 upon completion of her Ph.D. in Civil and Environmental Engineering from Stanford University. She also holds a M.S. from the same program and a B.S. in Food, Agricultural, and Biological Engineering from The Ohio State University.

Mary Ann Zehr

**Senior Manager Transmission Contracts, Rates, and Policy
Tri-State Generation and Transmission Association, Inc**

Mary Ann Zehr has over thirteen years of experience in the electric utility industry, currently holding the position of Senior Manager Transmission Contracts, Rates, and Policy for Tri-State Generation and Transmission Association, Inc. Tri-State is a wholesale electric power supplier owned by the 43 electric cooperatives that it serves. Tri-State generates and transmits electricity to its member systems throughout a 200,000 square-mile service territory across Colorado, Nebraska, New Mexico and Wyoming, serving approximately 1.5 million customers. While at Tri-State Mary Ann has also held positions responsible for transmission system operations, training, and transmission compliance. Prior to joining on with Tri-State, Mary Ann served in the U.S. Navy's Nuclear Power Program. Mary Ann's educational background includes a Master's of Science Degree in Global Energy Management from the University of Colorado and a Bachelor's of Science Degree in Business Administration from Regis University.

Edward Henderson
Manager, Renewable Energy Operations at DTE Electric
DTE Energy

Ed Henderson is the manager of Renewable Energy Operations at DTE Electric, a DTE Energy Company. He has held this position for the past five years. In this role, he is responsible for the operations and on-going maintenance for all of DTE Electric-owned wind and solar assets. The DTE wind and solar fleet consists of 342 GE wind turbines rated at total capacity of 610 MW and 68 MW of solar generation.

Ed has been employed by DTE for over 30 years in areas of increasing responsibility. He has extensive experience in all aspects of utility operations, maintenance and construction. Prior to coming to the Renewable Energy team, he was responsible for oversight of the DTE streetlight fleet consisting of over 200,000 streetlight assets serving municipal customers throughout Southeast Michigan.

Ed has been an active member of ESIG for the past five years. He has served on the Board of Directors and as co-chair of the O&M User Group Planning Committee.

Ed obtained his Bachelor of Science in Mechanical Engineering from Western Michigan University and his Master of Business Administration from the University of Detroit – Mercy. He is a registered professional engineer in the State of Michigan.

Joe Lang
Director of Compliance and Regional Transmission Organization Policy
Omaha Public Power District (OPPD)

Joe Lang is the Director of Compliance and Regional Transmission Organization Policy at Omaha Public Power District (OPPD). He has 15 years of experience in utilities working in areas such as; system protection, substation, system planning, resource planning and currently focuses on energy regulations. Joe leads a team that is responsive to numerous state and federal regulatory frameworks. This includes ensuring OPPD maintains a reliable power system and meets and exceeds federal reliability compliance standards. His team is engaged in Southwest Power Pool governance, Federal Energy Regulatory Commission policy issues, NERC reliability standards, Nebraska Power Review Board regulations, and supports related legislative and litigation efforts. Joe has provided service externally on the March of Dimes Board of Trustees, Energy Systems Integration Group Board, National Council of Examiners for Engineering and Surveying Licensing Committee, Southwest Power Pool (SPP) Board/Members Committee, SPP Markets & Operations Policy Committee and is a graduate of the FBI Citizens Academy. He received the 2007 technology transfer award from the Electric Power Research Institute. Joe holds a bachelor degree in Electrical Engineering from Iowa State University, a master degree in Engineering Management from the University of Nebraska-Lincoln, a master degree in Law from the University of Nebraska College of Law, is a Licensed Professional Engineer in the State of Nebraska, and has national certification as a Model Law Engineer. Joe and his wife Melissa have a son Gabriel (5) and twin girls Olivia and Riley (3).