

Dwayne Woodward Rickerson, P. E.

Senior Executive and Professional Engineer with 30-years of experience in energy market segments including independent system operator, transmission service provider, distribution co-op, and power plants design and operations.

Professional Experience

ERCOT (2000-present) Electric Reliability Council of Texas is the independent system operator for 90 percent of the state's electric load. ERCOT manages the planning, operations and market for 24 million Texas customers.

Senior Vice President and Chief Operating Officer

2023-present

- Provide strategy, reporting, and problem resolution to the ERCOT Board of Directors.
- Direct the work, training, and professional development of 300 Engineers, Operators and Analysts in multiple departments.
- Maintain Operations and Planning compliance with ERCOT and NERC requirements.
- Member of the NERC Reliability Issues Steering Committee providing reports directly to the NERC Board of Trustees on high-level issues of strategic importance to bulk power system reliability.

Vice President Grid Planning and Operations

2016-2023

- Direct the work, training, and professional development of 175 Engineers, Operators and Analysts in 15 different departments.
- Lead the modeling, training and operation of the ERCOT electric grid on a daily basis, along with continuous improvement of the tools and processes essential to maintaining reliability of the grid.
- Responsible for the future year planning of the ERCOT grid in coordination with ERCOT market participants.

Director, Grid Coordination

2010-2016

- Directed the work of four Principals and seven ERCOT departments including: Outage Coordination, Model Administration, Model Maintenance, Resource Integration, Engineering Development, Operations Training, and Advanced Network Applications.
- Envisioned and implemented ERCOT's first entry-level Engineer development program (EDP).
- Incorporated the Resource Asset Registration Form (RARF) process into the existing modeling process and drove changes with the Market Participant led Resource Data Working Group to transform the resource modeling process.

Manager, Network Modeling

2009-2010

- Guided 20 Network Modelers and Engineers in the stabilization of the ERCOT Energy and Market Model.
- Headed the implementation and launch of the innovative NMMS system of temporal modeling for the 2011 Texas Nodal Market.
- Designed Energy and Market Model modeling process used by ERCOT and 17 different ERCOT market participating companies to temporally represent the grid in the EMS and MMS systems.

Supervisor, Outage Coordination*2007-2009*

- Supervised 11 Outage Coordinators and managed the analysis process for over 35,000 annual outages.
- Collaborated with Market Participants to design new Outage Scheduling metrics and reports for the ERCOT market.
- Developed an economic evaluation process for outages, which could eventually be used in the ERCOT market.

Senior Engineer, System Planning*2005-2006*

- Pioneered the first comprehensive 5-year transmission report for the ERCOT region.
- Oversaw ERCOT's independent review of several large 345-kV stakeholder transmission projects.
- Established the process and led the team that first used security-constrained production-cost modeling to evaluate planning projects using economic criteria.

Senior Engineer, Transmission Planning*2001-2004*

- Headed ERCOT's South Regional Transmission Planning Stakeholder Group in analysis and project consideration.
- Analyzed and reported on proposed stakeholder transmission projects and Generation Interconnection proposals.

Operations Engineer, Network Analysis*2001*

- Supported System Operators in maintaining system reliability using Siemens and ESCA EMS systems.
- Developed the first ERCOT-centered Black Start Plan and coordinated ERCOT-wide implementation and testing.

Model Engineer, Network Modeling – ERCOT Modeling*2000*

- Supported EMS Modeling data entry and development for ERCOT Zonal Market system.
- Worked with Market Participants to streamline data entry and develop procedures for maintaining the ERCOT model.

Excel Energy (1992-2000) is a utility holding company and supplier of electric power and natural gas service in 10 different states. Excel operations in Texas and New Mexico center around transmission, distribution, and generation services.

Resource Engineer, Strategic Development*Amarillo, TX 1998-2000*

- Analyzed and prepared Executive reports for production-cost benefits of potential mergers and transmission expansion plans.
- Assisted in preparation and filing of Integrated Resource Plan with the Public Utility Commission of Texas, including the development of Deliberative Polling data.

District Supervising Engineer*Plainview, TX 1995-1997*

- Supervised District Service Center, 24 employees, storm restoration, and system reliability for 21,000 customers.
- Submitted and maintained O&M and Capital Construction budgets for the Plainview District.

Distribution Engineer*Lubbock, TX 1992-1995*

- Engineered and supervised 22,000 man-hours of construction for underground and overhead distribution projects.

Education

University of Colorado, **M. S. in Engineering Management** 1998

New Mexico State University, **B. S. in Electrical Engineering**, Minors in Economics and Mathematics 1992

University of Texas, Cockrell School of Engineering Leadership Certificate Program