

Curriculum Vitae (CV) for Kristen Rodriguez

Name of Staff: Kristen Rodriguez, B.Sc., P.E.

Years with Firm/Entity: 7 years

Education:

B.Sc. in Engineering with a major in Electrical and Computer Engineering and minor in Mathematics, Dec. 2001, Baylor University, Waco, Texas.

Licenses:

Professional Engineer in the state of Texas.

Presentations:

Kristen Rodriguez and Jay Nethers, November 2005. “**National Electric Safety Code Update**”, Presentation at the 2005 Texas Electric Cooperative Association.

Kristen Rodriguez and Jay Nethers, October 2005. “**Evaluation of Transformer Lifetime Costs**”, Presentation at the 2005 Municipal Electric Service Association Conference.

Kristen Rodriguez, September 2004. “**Load Forecasting**”, Presentation at the 2004 Texas Electric Cooperative Association.

Kristen Rodriguez, April 2009. “**Interconnection Issues for Large Scale Solar**”, Presentation at the 2009 Lone Star Solar Summit

Kristen Rodriguez, Beth Emery, Jay Caspary and Dale Osborn; June 2009. “**Emerging Infrastructure for the Plains**”, Presentation at the 2009 Great Plains Energy Summit.

Key Qualifications:

Extensive experience in Transmission System Analysis, including power system simulation software operation; development and preliminary design of Renewable Projects; and Distribution System Planning and Operations.

Acts as a Wind Advocate for the Wind Coalition in the Southwest Power Pool

Renewable Energy Development/Transmission System Analysis:

Transmission System Planning Studies – Experience in studying the feasibility of generation interconnection to the transmission grid, including power flow calculations using Powerworld©.

Preliminary Design – Create preliminary substation and transmission interconnection one-line diagrams. Design of wind generation plants collection system.

Generation Interconnection – Several years experience in aiding wind developers with interconnection of wind generators with the transmission grid from the initial filing of the application process all the way through the negotiations for the interconnection agreement and negotiations with the transmission providers.

Distribution System Planning:

Extensive experience in all aspects of the operations & planning of electric utilities distribution system since 2002 in the State of Texas. Experience covers the daily operations and maintenance aspects, as well as short and long term planning analysis. Routinely produced many studies and reports on Distribution System Long Range and Short Range Work Plans, Sectionalizing Work Plans, Motor Start Analyses, and System Operations Summary Reports such as seasonal capacitor switching studies.

Skilled in performing distribution system analysis using Electric Power Engineers' Engineering/Mapping software, which distinguishes itself in its advanced GIS-Mapping/Engineering features.

Distribution Power System Planning- Rural Electrification Administration work plans, system protection plans, rate studies, as well as substation feasibility studies.

Power System Operation – System mapping, system operations summary, voltage regulator settings, power factor correction (capacitor placement and sizing), motor starting, and system maintenance.