

Martin Lin, PhD

2106 Park Street
Houston, Texas 77019

(713) 557-3494
martin@lingroup.com

EXPERIENCE

Citigroup Energy, Houston, Texas, 7/05 – present

Commodities Quantitative and Fundamentals Analysis – *Vice President*

- Direct fundamentals-based analysis for power in North America.
- Design/develop internal database that forms a critical part of numerous reports and analytics.
- Develop internal models and tools and advise of third-party products for use by trading group.
- Contribute to analysis and document requirements for risk assessments and product approvals.

Shell Trading Gas & Power, Houston, Texas, 2003 – 2005

Marketing, Strategy, and Analysis – *Manager*

- Led fundamentals-based analysis for gas and power in North America.
- Advised senior management and supported commercial groups regarding market issues including the potential impact of infrastructure or regulatory changes.
- Developed medium- and long-term (15+ years) forecasts for North American gas and power markets, including LNG regasification terminal evaluation.

RWE Trading Americas, Houston, Texas, 2003

Trading Analytics – *Senior Analyst*

- Developed datasets and led analysis of emissions, plant outages, transmission and pipeline flows and availability for strategy development, forecast creation, and model input.
- Integrated and extended existing models for supply and demand analysis for North America.

Citadel Investment Group, Houston, Texas and Chicago, Illinois, 2002 – 2003

Quantitative Research Group – *Quantitative Analyst*

- Designed data and modeling architecture for electricity price and congestion analysis system.
- Evaluated third-party models and tools for applicability to trading analysis and recommended acceptance/rejection or determined if internal solutions were required.
- Developed audited multi-area datasets for fundamentals such as generation capacity, input fuel type, cost, new capacity, and emissions.

UBS Warburg Energy, Houston, Texas, 2002

East Power Fundamentals Group – *Associate Director*

- Analyzed electricity and power transmission markets, including continued development of multi-area short- and long-term power price and fuel consumption models.
- Developed weekly and monthly regional price reports based on analysis with internal models.
- Developed transmission congestion summary reports and transmission loading relief (TLR) analysis tool to visualize affected control areas, states, and NERC regions.

Enron Corporation, Houston, Texas, 1998 – 2002

Research Group for Quantitative Analysis and Modeling – *Research Manager*

- Analyzed electricity and power transmission markets; developed power price models.
- Developed and advocated positions regarding congestion management and design of financial transmission rights for ERCOT as member of the Congestion Management Working Group.

EDUCATION

PhD and MSE, The University of Texas at Austin, Austin, Texas
BS with Honors, California Institute of Technology, Pasadena, California

SELECTED PRESENTATIONS AND PUBLICATIONS

“Management of Transmission in the Electricity Markets,” contribution to *Energy Modelling: Advances in the Management of Uncertainty*, 2nd Edition, Edited by Vince Kaminski, 2005.
“Fundamentals-Based Modeling and Forecasting in North American Energy Markets,” Institute for Operations Research and the Management Sciences, Annual Meeting, November 14, 2005.
“Transmission Congestion Pricing, Trading, and Risk Management,” EnergyRiskUSA 2004, Houston, Texas, May 18, 2004.
“Key Considerations for Effective Transmission Pricing,” Energy and Power Risk Management 4th Annual Congress: Power 2000, Houston, Texas, May 10, 2000.
“Transition: A Never-Ending Process,” Harvard Electricity Policy Group, Presenter/Panelist, Dallas, Texas, March 16, 2000.
“Modeling of Strategic Behavior in the Electric Reliability Council of Texas,” Institute for Operations Research and the Management Sciences, Summer Conference, May 3, 1999.
“Prices and Emissions in a Restructured Electricity Market,” Stanford Energy Modeling Forum 17 participant, Stanford University, January 28, 1999.