

Daniel G. Hansen

RESUME

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Academic Background:

Ph.D., Michigan State University, 1997, Economics
M.A., Michigan State University, 1993, Economics
B.A., Trinity University, 1991, Economics and History

Positions Held:

Vice President, Laurits R. Christensen Associates, Inc. 2006-present
Senior Economist, Laurits R. Christensen Associates, Inc., 1999-2005
Economist, Laurits R. Christensen Associates, Inc., 1997-1999
Research Assistant to David Neumark, 1995-1997
Instructor, School of Management, University of Michigan-Flint, spring 1996:
MBA Business Economics

Academic Honors:

Trinity Presidential Scholarship, Trinity University, 1987-1991
American Express Scholarship, 1987-1991

Professional Experience:

I work in a variety of areas related to retail and wholesale pricing in electricity and natural gas markets. I have used statistical models to forecast customer usage, estimate customer load response to changing prices, and estimate customer preferences for product attributes. I have created mathematical models that analyze risks associated with weather and price uncertainty; forecast market shares for products and providers; and simulate customer demand response to alternative rates. These capabilities have been used to develop and price new product options; evaluate existing pricing programs; evaluate the risks associated with individual products and product portfolios; and develop cost-of-service studies.

Major Projects:

Evaluated a model that estimated the costs associated with removing and relicensing hydroelectric facilities.

Assisted an electric utility in evaluating new rate options for commercial and industrial customers.

Designed and evaluated time-of-use and critical-peak pricing rates for an electric utility.

Reviewed cost-of-service study for a municipal electric utility.

Produced a report on rate design methods that provide appropriate incentives for demand response and energy efficiency.

Assisted in wholesale power procurement process.

Evaluated a weather-adjustment mechanism for a natural gas utility.

Assessed weather-related fixed cost recovery risk for an electric utility.

Evaluated a revenue decoupling mechanism for a natural gas utility.

Estimated price responsiveness of real-time pricing customers.

Evaluated the need for electricity transmission and distribution standby rates for a utility.

Developed a market share simulation model using conjoint survey results of electricity distributors.

Conducted conjoint surveyed of electricity distributors regarding rate structure preferences.

Developed a method to calculate a retail forward contract risk premium.

Prepared a report on the performance of Financial Transmission Rights (FTRs) in the PJM electricity market.

Reviewed a retail pricing model for use in a competitive electricity market.

Provided support in a natural gas rate case filing.

Simulated outcomes associated with alternative wholesale rate offers to electricity distributors.

Developed a business case to support a natural gas fixed bill product.

Assessed the accuracy of a natural gas fixed bill pricing algorithm.

Audited an evaluation of the costs associated with implementing a renewable portfolio standard.

Developed a model to value interruptible provisions in a long-term customer contract.

Performed a study on the determinants of electricity price differences across utilities and regions.

Developed long-term demand and energy forecasts.

Conducted market research to assess customer interest in new product options.

Recommended new retail pricing products for commercial and industrial customers.

Prepared a report on the fundamentals of retail electricity risk management.

Prepared a report that presented a taxonomy of retail electricity pricing products.

Presented at a workshop in Africa regarding deregulated electricity markets.

Prepared a report on the effectiveness of distributed resources in mitigating price risk.

Performed a valuation of energy derivatives consistent with FAS 133.

Created an electricity market share forecasting model.

Developed standby rates for an electric utility.

Developed an electricity wholesale price forecast.

Forecasted retail customer loads for an electric utility.

Assisted in mediating a new product development process with a utility and its industrial customers.

Developed a model that simulates wholesale market price changes due to retail load response.

Developed a pricing model for an innovative financial product.

Estimated changes in wholesale electricity prices due to customer load response.

Oversaw creation of software that estimates customer satisfaction with utilities.

Developed a model to economically evaluate a capital addition to a generator.

Developed a wholesale version of the Product Mix Model.

Evaluate Risk Implications of New Product Offering.

Mixed Logit Estimation of Customer Preferences.

Estimation of Customer Price Responsiveness.

Product Mix Model Workshops.

Unbundling and Rate Design.

Development of a Computer Program.

Large Commercial and Industrial Customer Rate Analysis.

Residential Customer Rate Analysis.

Survey of Power Marketers.

Development of Multi-Period Analysis Tool.

Evaluating the Effect of Alternative Rates on System Load.

Estimating the Persistence of Weather Patterns.

Electricity Customer Survey Data Analysis.

Product Mix Analysis for Small Customers.

Survey of Postal Facilities.

Professional Papers:

“Evaluation of the Klamath Project Alternatives Analysis Model: Reply to Addendum A of the Consultant Report Prepared for the California Energy Commission Dated March 2007,” May 2007, with Laurence D. Kirsch and Michael P. Welsh.

“Evaluation of the Klamath Project Alternatives Analysis Model,” March 2007, with Laurence D. Kirsch and Michael P. Welsh.

“A Review of the Weather Adjusted Rate Mechanism as Approved by the Oregon Public Utility Commission for Northwest Natural,” October 2005, with Steven D. Braithwait.

“A Review of Distribution Margin Normalization as Approved by the Oregon Public Utility Commission for Northwest Natural,” March 2005, with Steven D. Braithwait.

“Analysis of PJM’s Transmission Rights Market,” EPRI Report #1008523, December 2004, with Laurence Kirsch.

“Using Distributed Resources to Manage Price Risk,” EPRI Report #1003972, November 2001, with Michael Welsh.

“Hedging Exposure to Volatile Retail Electricity Prices,” *The Electricity Journal*, Vol. 14, number 5, pp. 33-38, June 2001, with A. Faruqui, C. Holmes and B. Chapman.

“Weather Hedges for Retail Electricity Customers,” with C. Holmes, B. Chapman and D. Glycer. In papers for EPRI International Pricing Conference 2000.

“Worker Performance and Group Incentives: A Case Study,” *Industrial and Labor Relations Review*, Vol. 51, No. 1, October 1997, pp. 37-49.

“Worker Quality and Profit Sharing: Does Unobserved Worker Quality Bias Firm-Level Estimates of the Productivity Effect of Profit Sharing?” Working Paper, May 1996.

“Supervision, Efficiency Wages and Incentive Plans: How Are Monitoring Problems Solved?” Working Paper, November 1996, presented at the Western Economics Association Meetings, 1997.

“Has Job Stability Declined Yet? New Evidence for the 1990’s,” with David Neumark and Daniel Polsky, *The Journal of Labor Economics*, 1999.