

EDUCATION

Master of Business Administration, Finance, Auburn University, 2006

Bachelor of Science in Industrial Engineering, Cooperative Program, With Highest Honors, Georgia Institute of Technology, 2000

ENGINEERING REGISTRATION

Registered Professional Engineer in Georgia

PROFESSIONAL MEMBERSHIPS

National Society of Professional Engineers (NSPE)

American Statistical Association (ASA)

Institute of Industrial Engineers (IIE)

EXPERIENCE

GDS Associates, Inc., 1996-Present

Employed as cooperative student and began full time employment in 2000. Project experience includes load & financial forecasting, residential consumer surveys, load research, cost of service studies, retail rate design, economic impact analysis, benefit-cost analyses, load management evaluation, and market research.

General Experience Includes:

- Developed conservation water and wastewater rates for municipals in Georgia. The rates were compliant with Metropolitan North Georgia Water Planning District guidelines. Analysis included development of revenue-neutral and rate increase inverted block designs, customer impact evaluations, and design of criteria for new large use commercial rates.
- Prepared financial forecasts for electric cooperatives in South Carolina, Virginia, Tennessee and Georgia, and for municipals in Arkansas and Pennsylvania. Work included regression analysis, review of current long-term debt situation, customer and demand forecasts, plant forecasts, and sensitivity analysis.
- Completed an economic impact analysis of instituting a Renewable Portfolio Standard in the state of North Carolina. Utilized IMPLAN Input/Output software to determine the job impacts on the state economy of various RPS portfolios compared to a portfolio composed of conventional fossil fuel resources. Direct, indirect, and induced job impacts were measured for construction, operations and maintenance, and pertinent fuel supplies for various conventional and renewable resources, as well as effects of electricity price increases on residential and commercial consumers.
- Economic impact analysis of continued operation of nuclear power plant in Vermont. Analysis included impacts to Vermont economy in general, Vermont government, and in-state utility ratepayers. Prepared testimony as an expert witness on economic analysis on behalf of the Department of Public Service.
- Expert witness in a natural gas retail rate study in Michigan. Subject of testimony was weather normalization methodologies in forecasting.

- Developed state-wide energy supply and consumption projections by major customer classification and type of fuel for Vermont Department of Public Service and Virginia Department of Mines, Minerals, and Energy. Utilized Energy Information Administration data and econometric and trending techniques to complete projections.
- Assisted in development of wholesale rates for G&Ts in Indiana and Wisconsin. Work involved projections of cost pools and billing units, development of pro forma rates and impacts on member systems, evaluation of rate alternatives and riders, and considering the implications of an aggressive load management program.
- Designed cost of service models and performed retail rate analysis for municipalities and cooperatives in Alabama, Alaska, Florida, Georgia, Massachusetts, Ohio, South Carolina, Texas, and Virginia. Specific work has included development of cost allocation factors in various areas of operation, calculation of impacts of rate changes to customers, determination of the company's financial competitive position, classification of plant investment and operating expenses, development of pro forma financial statements, and alternative rate design calculations.

Recent Specific Governmental Rate Projects Include:

- Cleveland Public Power – assist in development of cost of service; develop financial forecast; review of cash position and policies; development of special ratemaking authority tariff to negotiate with targeted C&I customers in a competitive marketplace; meetings and negotiations with key accounts; development of Marketing Plan; analysis and input into engineering report to support debt restructuring bond
- Danville Utilities – revenue requirements, cost of service, and rate design activities for Danville's electric, gas, water, and wastewater utilities
- North Little Rock Electric Department – cost of service development; retail rate design included development of new tariff structures; determination of target minimum cash level; assist in instituting power cost adjustment mechanism; financial forecast; development of special contract rate for high voltage load
- City of Chambersburg, Pennsylvania – cost of service and retail rate study
- City of Ephrata, Pennsylvania – cost of service and retail rate study; financial forecast
- City of Benton, Arkansas – cost of service and retail rate study; financial forecast

PUBLICATIONS

- Co-Author of NRECA's "Distributed Energy Generation Compensation and Cost Recovery Guide."
- Co-Author of American Municipal Power's "AMP Focus Forward Member Toolkit: Preparing for Distributed Energy Future."
- Co-Author of "Residential Behavioral Program Persistence Effects in Pennsylvania", published in 2016 ACEEE Summer Study on Energy Efficiency in Buildings.

REGULATORY EXPERIENCE

- Delaware Public Service Commission
 - Docket No. 07-20 – Review of Delmarva Power & Light IRP Filing. GDS worked on behalf of the Division of the Public Advocate. Mr. Thomas was a joint author of a report provided to the Public Advocate. Mr. Thomas did not file expert testimony.
- Indiana Utility Regulatory Commission
 - Cause No. 44967 – Indiana Michigan Power Company retail rate filing. GDS worked on behalf of a Joint Municipal party. Mr. Thomas reviewed the Cost of Service Study and filed expert testimony and cross-answering testimony. The case was settled prior to the evidentiary hearing.
- Michigan Public Service Commission
 - Case No. U-15701 – Michigan Consolidated Gas Company for approval of Gas Recovery Plan. GDS worked on behalf of the Attorney General of the State of Michigan. Mr. Thomas filed direct testimony in the area of weather normalization of gas sales. All witnesses were waived from cross-examination.
- North Carolina Utilities Commission
 - Docket No. E-22 Sub 532 – Dominion North Carolina Power retail rate case. GDS worked on behalf of Nucor Steel – Hertford. Mr. Thomas filed pre-trial expert testimony discussing Cost of Service modeling. Mr. Thomas was not called to appear for cross examination in the case.
- North Dakota Public Service Commission
 - Case No. PU-16-666 – Montana-Dakota Utilities retail rate case. GDS worked on behalf of the Public Service Commission Advocacy Staff. Mr. Thomas filed direct testimony touching on the areas of load research, cost of service, and retail rate design. The case was settled prior to the evidentiary hearing.
- Utah Public Service Commission
 - Various IRP and Retail Rate Cases filed by Rocky Mountain Power – In 2007-2015, GDS provided services on behalf of the Utah Office of Consumer Services in reviewing and commenting on IRP and retail rate cases filed by RMP. GDS prepared summary reports for the OCS, but did not testify directly in those cases. Mr. Thomas focused on review of load research and load forecasts with respect to these cases.
 - Docket No. 16-035-36 – Application by Rocky Mountain Power to Implement Programs Authorized by the Sustainable Transportation and Energy Plan Act. GDS worked on behalf of the Utah Office of Consumer Services. Mr. Thomas filed expert testimony in the area of load research design. Mr. Thomas was not cross-examined in the case.
- Vermont Public Service Board
 - Docket No. 7440 – Petition of Entergy Vermont Yankee for Certificates of Public Good. GDS worked on behalf of the Department of Public Service. Mr. Thomas filed expert testimony analyzing the economic benefits to Vermont of the continued operation of the Vermont Yankee Nuclear facility. He attended the hearing and stood for cross

examination in this case.