

OVERVIEW

Mr. Davis has 28 years of experience in the energy industries covering a diversity of subject matter, including:

- Utility power supply planning
- Power and fuel supply procurement and contracting
- Renewable energy investigations
- Economic generating plant retirement assessments
- Environmental assessments
- Demand-side programs and plans
- Energy market price forecasting
- Energy market deregulation
- Portfolio risk management
- Power project development and financing
- End-use research, modeling and forecasting
- Wholesale and retail rate design
- Corporate strategic planning
- Regulatory, arbitration, and litigation proceedings

Mr. Davis is an accomplished consultant, providing utilities, developers and energy end-users with strategic advice on future market concerns and business sustainability. His broad knowledge and experience allows Mr. Davis to advise clients on unique and efficient techniques to address strategic and operational issues. Working with the senior management of his clients, Mr. Davis distils general business concerns to the key factors affecting client viability and recommends appropriate strategic or analytical approaches to investigate and identify successful business solutions.

Mr. Davis possesses excellent written and verbal communication skills, creatively conveying complex subject matter to decision makers and regulators. Mr. Davis has presented results of his studies and analyses to client management, boards, regulatory commissions, and at public workshops. Mr. Davis is an expert witness on several subject matters, having testified in federal and several state regulatory proceedings pertaining to integrated resource plans, demand-side plans, distributed energy storage, electric market deregulation, power supply and demand-side RFPs, power project permitting, certification of need, and market power concerns.

PROJECT EXPERIENCE

Mr. Davis has managed, or has been a senior contributor to, the following project types:

- Development of long-term integrated resource plans for electric utilities, including: least-cost / least-risk generation expansion plans, integrated supply and demand-side plans, generation

technology screening and evaluation, and resource retirement / conversion studies. Project simulation and modeling techniques have encompassed dynamic optimization, linear programming, chronological dispatch simulation, stochastic / probabilistic analysis, scenario and sensitivity analyses, portfolio stress testing, risk analysis, decision analysis.

- Renewable and distributed resources investigations for utilities and developers, including: economic evaluation of renewable and alternative resources, marginal costs and benefits assessment, comparative investigation of traditional and renewable technologies, technology curve assessment, economic assessment of energy storage, distributed generation integration, system impact studies, energy storage simulation and optimization.
- Market price forecasting and simulation for utilities, developers and lenders, including: price forecasting of power and fuel markets, project revenue forecasts, locational marginal pricing, market transactions, project / portfolio valuation, stranded cost assessment, market uncertainty and exposure, portfolio risk analysis, market power concerns.
- Energy efficiency and demand-side planning and analysis for utilities, developers and end-users, including: integrated supply- and demand-side utility plans, cost effectiveness evaluation, demand response assessment, distributed impacts assessment, simulation of generation impacts, direct load control planning, direct load control system testing, implementation and marketing plans, demand-side RFP development and evaluation,
- Generation simulation and forecasting, including: production costing analyses, dispatch optimization, fuel requirements analysis, emissions forecasting, market trading and pricing, power contract simulation, power pool / joint dispatch analysis.
- Power and fuel supply contracting for utilities and developers, including: contract review and negotiation (purchase and sale), RFP development and evaluation, power supply contracting. fuel procurement,
- Environmental emissions investigations, including: historical emissions accounting, emissions simulation and forecasting, greenhouse gas (GHG) strategies and plans, regulatory assessment and strategy development.
- Litigation support and regulatory filings, including: auditing of contract performance, damages assessment, document discovery, settlement negotiations, market valuation, integrated resource plan filings, power supply filings, demand-side filings, demand-side program cost effectiveness, market deregulation, utility cost of service, RTO / ISO formation, power supply certificate of need, power plant siting and permitting, market power concerns.
- Load and customer forecasting and research for utilities, including: load and customer econometric forecasting, end-use forecasting, customer surveying, load research program design and implementation, customer preference and demographics surveying, appliance saturation and dwelling characteristics surveying, market research for demand-side management potential.
- Business strategy and operations, including: divestitures and acquisitions, project participation / investment, wholesale and retail rate design, cost of service analysis, financial reporting for revenue bond and capital market issuance, development of customer contracts, tax valuation and assessment, environmental strategy, nuclear project participation.

PROFESSIONAL HISTORY

Mr. Davis was the Director of the Integrated Resource Planning practice for R. W. Beck, Inc., a highly regarded, international engineering and management consulting firm of approximately 500 professionals, since acquired by SAIC. His association with R. W. Beck spanned 20 years from 1990 through 2010. Prior to R. W. Beck, Mr. Davis was an engineer for Gainesville Regional Utilities, an electric, natural gas, water, wastewater utility in North Florida, where he lead demand-side regulatory concerns for the utility.

Following his time at R. W. Beck, Mr. Davis joined a start-up enterprise – Ice Energy, Inc., a distributed energy storage vendor – as the Vice President of Utility Market Development. Mr. Davis helped to form nFront Consulting LLC to provide services pertaining to planning, developing, financing, integrating, administering, and managing electric power and energy resources, systems and contractual arrangements.

EDUCATIONAL AND PERSONAL

Mr. Davis graduated with a Bachelor of Science Degree in Engineering Sciences from the University of Florida, where he focused on an interdisciplinary study of alternative energy technologies and engineering mathematics.