

## Education

- *BS, Management Information Systems, Arizona State University*
- *Energy Certification Program, EES*
- *Regulatory Coursework, Center for Public Utilities, NMSU*

## Expertise

- *Energy Risk Management*
- *Commodity Energy Acquisition*
- *Energy Price Forecasting*
- *Pipeline Capacity Trading*
- *Investment Analysis*

## Recent Selected Projects

- *UNC at Chapel Hill, Energy Master Plan*
- *CVX Malampaya, Philippines, Asian Power Market Simulation*
- *Sky Harbor Int'l, AZ Substation Economics*
- *Oronite, Oak Point LA, Reliability Project Investment Analysis*
- *Asarco, LLC, AZ, Utility Special Contract*
- *Chevron Refinery, MS, Cogen PPA Economics*

## GARY MIRICH

### Senior Consultant



Mr. Mirich joined Energy Strategies in 2001. Since joining the firm he has provided consulting services across multiple energy disciplines including price forecasting, investment economics, commodity procurement, contract negotiation, energy risk management, and regulatory advocacy.

Mr. Mirich frequently serves as project manager as well as a subject matter expert on a variety of client engagements. Mr. Mirich frequently develops energy price and rate forecasting models for clients who consume and/or produce energy commodities. His forecasting experience includes renewables projects across the western U.S., multiple cogeneration projects, electric reliability investments and risk management initiatives at client locations across the U.S. and in the U.K.

Mr. Mirich is a lead architect of Energy Risk Decision Service, a retail electricity market price analysis tool and consulting process designed to optimize energy risk management decisions. One Texas client, as an example, utilizes the service to support their hedging decisions on \$37M of annual spend at their 200+ sites across ERCOT.

Mr. Mirich has recently conducted a strategic energy supply and utilization assessment for Phoenix Sky Harbor International Airport, including investment analysis of multiple customer-owned transmission voltage substation alternatives. Among other projects, Mr. Mirich led the creation of a comprehensive energy supply, budget, and energy management assessment for the Utah Board of Regents. Recently, Mr. Mirich managed the development of investment analyses and multi-year utility revenue modeling for the University of North Carolina at Chapel Hill.

Mr. Mirich has also served since 2004 as the contracted energy consultant to Asarco LLC for their operations in Arizona and Texas. In addition, Mr. Mirich represents commercial, industrial, and large institutional energy consumers in proceedings before the Arizona Corporation Commission on natural gas restructuring, electric retail competition, integrated resource planning, distributed generation, and demand side management.

Mr. Mirich's professional energy background includes various positions at Arizona Public Service Company and its unregulated energy services affiliate as well as Enron Energy Services in Phoenix. Mr. Mirich's energy industry experience began in Arizona with IBM as a Client Executive for public and investor owned electric utilities.