
POWER MANAGEMENT

- Corporate Strategy
- Risk Management
- Research & Development
- Power Marketing
- Operations Management
- Start-up Management
- Contracts and Deal Structuring
- Project Management
- Financial Management
- Power Systems Development
- Engineering Management
- Negotiations

PROFESSIONAL EXPERIENCE

PROJECT MANAGER

2006-PRESENT

Energy Northwest, Richland WA

- Managed all phases of the Pacific Mountain Energy Center, a 793 MW integrated gasification combined cycle (IGCC) power plant development. Responsibilities include presentations, marketing, fuel supply, environmental permitting, engineering design, negotiating contract terms and conditions, and project budget.
- Evaluated thermal and renewable generation resources for feasibility and economic viability for 20 member public utilities.

PROJECT MANAGER

2003-2006

Tacoma Power, Tacoma WA

- Managed complex power purchase contracts and solved contractual disputes between multiple parties.
- Planned transmission and power system resources.
- Represented public power in regional dialogue on the future role of the Bonneville Power Administration.
- Researched and evaluated economic feasibility for wind, coal, hydro, and natural gas projects.
- Managed research and feasibility for Tidal energy in the Puget Sound.

ENERGY CONSULTANT

2002-2006

Western US

- Counseled and served for the Commodity Futures Trading Commission, Securities and Exchange Commission.
- Led a variety of energy industry presentations and seminars for management and board members.
- Evaluated and Implemented risk management programs and hedging strategies.
- Calculated risk adjusted investment returns for strategic investments and acquisitions.
- Supervised construction of natural gas peaking plant for a public utility (three GE 7EA gas turbines).
- Oversaw the development and implementation of corporate strategic and operational plans.
- Developed price forecasts for energy commodities such as coal, oil, natural gas and electricity.
- Negotiated wholesale power purchase and retail service contracts.
- Project Manager for renewable energy resources; tidal energy.

POWER MARKETING

2000-2002

Dynegy Inc. Houston, TX

- Valued and presented to executive management energy deals for mergers, acquisitions, and strategic investments.
- Negotiated with industrial suppliers on the design of power plant equipment.
- Developed peaking power plant in Kentucky as start-up manager (three 501FD gas turbines).
- Conducted feasibility studies on power augmentation, emissions control, duct burner sizing requirements, and demineralized water sources.

ENGINEERING OFFICER

1993-1998

United States Navy, Lieutenant Commander - Nuclear Submarines Honolulu, HI/San Diego, CA

- Certified nuclear plant manager by Naval Reactors Division, U.S. Department of Energy.
- Managed 30 personnel in three separate divisions.
- Supervised plant operations and maintenance for 5 years.
- Established a more efficient nuclear plant operations and maintenance plan.

Exhibit____ (TJB-1)

EDUCATION

Master of Business Administration

Energy Finance
University of Texas, Austin TX

Bachelor of Science

Mechanical Engineering
Carnegie Mellon University, Pittsburgh, PA

UTILITY MANAGEMENT

Managed power supply and planning.

- Supervised transmission contracts and interconnection.
- Evaluated resource proposals against utility strategy.
- Prepared bi-annual capital and expense budgets.
- Negotiated power supply contract provisions.
- Oversaw analysis of customer billing accounts.

Results: Saved city retail customers over \$11 million annually by optimizing energy and transmission resources.

PROJECT MANAGEMENT

Developed transmission interconnection.

- Evaluated and negotiated transmission alternatives.
- Drafted application for interconnection with transmission provider.
- Managed transmission interconnection studies and environmental permitting agreements.
- Supervised engineering and procurement process.
- Inspected and tested substation operations.

Results: Interconnection provided \$16 million in net present value benefits to a utility.

LEADERSHIP

Managed the design and development of power plants for a large public utility.

- Designed and modified plant drawings and specifications.
- Planned plant site layouts and locations.
- Budgeted capital costs of plant construction.
- Forecasted revenues and costs for plant operation and overall project valuation.
- Visited construction site to solve problems and inspect progress.
- Conducted feasibility studies on power plant modifications and options to enhance performance.

Results: Completed construction of a power plant on schedule and within budget. Increased the burner size on a combined cycle power plant to yield a projected \$500,000 per year in incremental profits using real option valuation.

BUSINESS DEVELOPMENT

Created a business plan and strategy for an energy utility to enter the Distributed Generation segment.

- Established ideas for entering the small generation business.
- Wrote the Distributed Generation Strategy.
- Led the Critical Issues Team and oversaw the development of a strategic business plan.
- Coordinated all aspects of meetings and presentations.

Results: Reduced capital expenditures by 10% and increased flexibility of future power plant construction. Improved Commercial and Industrial growth plan and strategy. Provided ability to enter a quickly growing sector; positively impacted the utility's future competitiveness.