

Professional Experience

Edward M. Davis

712 N. Carolina Ave., SE
Washington D.C.

Phone: 202-262-6236
Email: edavis@pegasusgroup.us

SUMMARY

Senior nuclear industry executive with 40 years of nuclear industry experience, including engineering, management, business development, project finance, marketing and government affairs. Experience includes both large, large GWe scale reactors and small modular reactors (SMRs). Intimate knowledge of a wide range of energy and environmental issues both domestic and internationally coupled with a keen understanding of governmental policymaking, regulatory compliance, and state rate making. Subject matter expertise includes technology and risk assessments, nuclear energy development, nuclear fuel cycle economics, uranium enrichment supply/demand, project finance and NRC regulation, spent fuel and waste management. Specific expertise includes NRC Part 52 licensing process as well DOE's Nuclear Energy Programs, including Nuclear Plant Licensing SMR Support, Loan Guarantee/Plant Vogtle due diligence, and the Yucca Mountain and nuclear waste storage and disposal programs.

Pegasus Group

Washington, D.C.

2002-Present

President and Managing Director

Responsible for providing strategic consulting services to a wide range of clients in the energy and electric utility industries and Federal agencies in the areas of strategic and program planning, business development and marketing, government procurement, government and regulatory affairs, energy and environmental policy, congressional appropriations and budget processes, state utility rate making and prudency proceedings. Extensive experience with interfacing with NRC senior management and project management review staff as well as NRC's construction management and inspection staff. Extensive experience with supporting the DOE Loan Guarantee Office in conducting nuclear project loan guarantee application reviews and related project due diligence credit and risk assessment reviews. Extensive experience with DOE senior management and project staff on the Yucca Mountain repository and consolidated storage programs.

Extensive experience with spent fuel and nuclear waste management program,

- Technology reviews and policy assessments on plant decommissioning, spent fuel storage and disposal options
- Plant decommissioning technologies and planning and cost estimation
- Spent fuel dry cask storage and transportation technologies
- NRC licensing requirements and process for dry cask storage
- Spent fuel storage project planning and management
- Technical program reviews of DOE Yucca Mountain program

Extensive experience with the new nuclear plant build program, including:

- Technology reviews and assessments of alternative reactor systems, including small modular reactors
- Evaluation of alternative SMR business models and economics
- Risk assessments of proposed new nuclear plant projects
- Due diligence and credit reviews of proposed new nuclear plants
- Development of project execution plans and project management plans
- Evaluation of project management organization and concept of operations
- Evaluation of EPC schedule and budget for contingency adequacy
- Evaluation of EPC contract terms and conditions
- Evaluation of NRC Part 52 licensing strategy
- Evaluation of ITACC compliance program
- Assessment of supply chain and long-lead procurement strategy
- Assessment of workforce development and training strategy and programs
- Evaluation of project financing strategies and economic evaluations of alternative generation options
- Evaluation and tracking of state utility regulatory commission proceedings on new baseload power plants.
- Due Diligence risk assessments for DOE LPO, including the Plant Vogtle project

Additional experience with the DOE LPO program:

- Technology reviews and readiness assessments, including renewables, storage batteries, smart grid applications and desalination
- Economic project assessments, including Levelized Cost of Electricity (LCOE) analyses
- Assessments of utility integrated resource plans and supply/demand forecasts for future electricity supply
- Assessments of potential impacts and compliance strategies with the EPA Clean Power Plan

NAC International

Atlanta, GA

1994-2001

President and Chief Executive Officer

Nuclear engineering, energy consulting, and transportation services company serving the electric and energy industries with offices domestically and worldwide.

- Successfully obtained NRC licenses for three new spent fuel dry cask storage systems and oversaw company's design, engineering and licensing efforts
- Led and oversaw company's efforts to manufacture and fabricate and construct and load dry cask storage systems at nuclear power plant sites
- Provided project management oversight over three strategic business units with offices, operations and projects worldwide
- Conducted and provided oversight of numerous nuclear fuel cycle supply/demand assessments, including enrichment and reprocessing
- Turnaround leadership and management on regulatory compliance issues

- Extensive experience interfacing with NRC Office of Nuclear Materials and Safeguards
- Testified before the U.S. Congress and regulatory agencies as expert witness on nuclear energy and environmental policy issues

American Nuclear Energy Council Washington, D.C. 1977-94

President and Chief Executive Officer

Trade association with over 100 members companies representing the nuclear energy industry before the U.S. Congress and the Administration.

- Directed national industry governmental affairs organization
- Directed national lobbying campaigns on critical industry-wide issues
- Successfully achieved passage of landmark licensing reform legislation
- Successfully achieved passage of landmark nuclear waste disposal legislation
- Testified before U.S. Congress on legislative policy issues and served as industry spokesperson to national media and press

NUS Corporation

Senior Consultant

A major energy and environmental consulting firm serving a variety of clients in the energy and environment sectors.

- Responsible for economic and competitive technology evaluations
- Evaluated competitive fuel supply bids

NFS Corporation

Energy Analyst, Corporate.

- Developed technology cost-benefit and economic evaluations

Bechtel Corporation

Licensing Engineer

A major architectural and engineering corporation.

- Responsible for competitive evaluations of power generation technologies
- Responsible for safety evaluations

Education

- B.S., Nuclear Engineering, University of Virginia
- M.B.A., George Mason University

Boards and Memberships

- American Nuclear Society, Member
- Nuclear Economics Consulting Group
- Nuclear Infrastructure Council, Senior Fellow

Publications (Last five years)

- Review of Overnight Capital Costs Estimates for New Commercial Nuclear Power Plants, Argonne National Laboratory, January 2011
- Various Commentary Postings on Nuclear Town Hall website