


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	DUKE ENERGY FLORIDA, LLC (Levy Nuclear Plant, Units 1 and 2) Commission Mandatory Hearing
	Docket #: 05200029 05200030 Exhibit #: DEF-011-MA-CM01 Admitted: 07/28/2016 Rejected: Other: Identified: 07/28/2016 Withdrawn: Stricken:

Exhibit DEF-011

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EDUCATION

- Bachelor of Technology (Civil Engineering), 1965, Indian Institute of Technology, Kharagpur, India
- Master of Science (Structural Engineering), 1970, University of Illinois, Urbana-Champaign
- Doctor of Philosophy (Earthquake Engineering), 1972, University of Illinois, Urbana-Champaign

EMPLOYMENT HISTORY

- 1972 to present – Sargent & Lundy LLC
 - *Technical Expert, Nuclear Power Technologies (2013-Present)*
 - Consulting support of Duke Energy, General Electric Hitachi, and Detroit Edison 10CFR Part 52 licensing projects.
 - Consulting support on seismic evaluations and structural engineering for Exelon, Duke Energy, and Emirates Nuclear Energy Corporation projects.
 - *Vice President and Project Director, Nuclear Power Technologies (1995-2013)*
 - Project Director and Project Manager for Nuclear Plant site selection and Small Modular Reactor technology selection for MidAmerican Energy Company.
 - Project Director and Joint Venture Project Manager for development for two Combined Operating License (COL) applications for Harris and Levy County site for Progress Energy / Duke Energy.
 - Project Manager and technical lead for Pressurized Water Reactor (PWR) sump GSI-191 evaluations for 34 PWR units
 - Project Manager for development of the project plan for the Pebble Bed Modular Reactor Demonstration Plant including project schedule and budgetary capital, engineering, and construction costs and capital cost reduction options.
 - Project Manager / Expert for structural engineering and seismic evaluations for D. C. Cook Units 1 & 2 restart, Millstone Unit 3 restart, LaSalle Units 1 & 2 restart, Clinton Unit 1 restart, Dresden Units 2&3 independent verification projects.
 - *Computer Systems Director, Services Department (1990-1995)*
 - Responsible for administration S&L computer system including staffing, training, hardware, software development, and migration from a mainframe based system to a distributed PC based system.

- *Structural Design Director, Structural Department (1986-1990)*
 - Responsible for administration of the Structural Design and Drafting Divisions including staffing, design standard development, reengineering of the design processes, and staff training.
 - Expert for Structural Engineering and Seismic Evaluations
- *Structural Analytical Division (1972-1986)*
 - Increasing responsibilities for nuclear plant analysis and design including positions of senior engineer, supervisor, and assistant division head.
 - Various assignments in nuclear plant structural engineering, earthquake engineering, and development of software for structural engineering and seismic analysis.
- *1965-1968 – Matthew & Mumby, Denton, United Kingdom*
 - Engineering and design of reinforced concrete structures and their foundations.