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EDUCATION

MS Finance, 2015
Penn State University

MBA Marketing, 2003
Auburn University Montgomery

BS Electrical Engineering, 1997
Worcester Polytechnic Institute (WPI)

EXPERIENCE:

8/2007-Present NextEra Energy, Inc.

11/13-Present Director, Renewable Business Development, NextEra Energy Resources:

- Lead the team responsible for development in ND, SD, IA, MN, and MI with over \$1 billion (600 MW) of deployed capital and a project pipeline of over 3 GW.
- Developed and constructed wind projects in California's Altamont Pass: 2015 - Golden Hills (86 MW) and 2017 - Golden Hills North (46 MW).

10/11-11/13 Program Manager, Distribution Quality & Technology Group, Florida Power & Light Company (FPL):

- Program Manager overseeing the implementation of the ACT (Availability Cross Functional Team) wind fleet performance automated reporting.
- Directed the operational integration for the City of Vero Beach's electrical utility including integration planning, scheduling, project valuation, risk management, and executive reporting.
- Managed FPL's Energy Smart Florida Distribution Automation Project – Deployed self-healing Smart Grid technology to improve power quality and reduce customer interruption time. Directly responsible for project schedule, vendor management, and \$39 MM budget.
- Project Manager for the DPDC (Distribution Performance & Diagnostic Center) Remodeling

8/10-9/11 Manager, Technical Consulting & Client Services (TCS),

WindLogics (subsidiary of NextEra Energy Resources):

Directed TCS's key functional areas including renewable energy consulting services, sales engineering, applied mathematics consulting, account and project management, and technical support to product management and marketing.

- Established the Business Model Design Consulting team to provide applied mathematics services focused on custom optimization solutions for utilities and power generators.
- Led the team that established the WindLogics Sales Governance, providing guidance for business development methodologies and project fulfillment.
- Mentored two 6-sigma green belt candidates and oversaw two process improvement projects: Product Price Standardization and Contract Proposal Process Improvement.

8/07-7/10 Analyst, Wind Farm Design (WFD), NextEra Energy Resources:

Designed optimized wind turbine arrays, meteorological tower sitings, net capacity calculations, 3-D virtual wind farm visualizations, and geographic information system (GIS) support.

- Project Lead for the Computational Fluid Dynamics (CFD) Proof of Concept Project; responsible for overseeing the evaluation of multiple CFD software applications for feasibility within wind farm design production.
- Led the 6-Sigma Turbine Layout Optimization process improvement project; reduced wind farm design time by 50%. Implemented WFD QA/QC tracking procedures.

6/1997-7/2007 Major, Intelligence/Developmental Engineer, US Air Force (USAF)

4/05-7/07 Operations Officer, Imagery Exploitation Division:

Led 141-person imagery intelligence division at the National Air & Space Intelligence Center; provided intelligence analysis to the Department of Defense. Managed \$4 MM annual budget.

- Rated by Director #1 out of 47 Company Grade Officers (CGOs), Directorate CGO of Year.
- Led imagery collection/analysis support for Hurricanes Katrina/Rita disaster relief missions.
- Spearheaded development of imagery inspection training modules; recognized by Command inspectors as “Best Practice” and recommended for Air Force implementation.
- Led development of monitor calibration process; improved imagery viewing quality by 53%.

4/04-3/05 Chief, Imagery Systems Branch: Led 27-person team developing the division’s technical program objectives and requirements. Responsible for \$2.8 MM IT budget.

- Rated by director in “Top” 5 of 42 CGOs and selected as CGO of Quarter.
- Oversaw \$1 MM fiber channel network overhaul.
- Managed project that eliminated intelligence film archive; saved \$2 MM during \$53 MM.
- Directed computer-aided design model upgrades; saved intelligence analysts 1,000 work-hours.

4/01-3/04 Deputy Chief and Flight Training Officer, Standards and Evaluations Division:

Responsible for certifying/evaluating all 100+ Officer Training School (OTS) instructors. Assessed effectiveness of unit training operations and established unit standardization policies. Led the training and professional development of ten 15-person officer training flights.

- Led inspection prep-team, contributed to “Outstanding” rating during Command inspection.
- Rated by Officer Training School commander in “Top” 5% of 75 company grade officers.
- Drove successful completion of 300% student production increase during 90-day training surge managing assets worth \$2.3M while coordinating logistics for 855 officer trainees.

6/97-3/01 Systems Engineer, Imagery Exploitation Support System:

Led 18-person contractor team providing imagery system upgrades and support for 49 worldwide intelligence centers and contractor facilities.

- Project manager for \$4.2 MM hardware upgrade at 41 imagery intelligence analysis centers
- Coordinated hardware upgrade study for 12 forward deployed imagery analysis sites and successfully obtained \$3.5 MM in hardware acquisition funding.
- Oversaw major onsite hardware installation in Bahrain; solved critical hardware failure leading to on-time project completion when leadership expected at least 1-month schedule slip.

ADDITIONAL AWARDS/TRAINING/EDUCATION:

- 2015 James L. Broadhead Quality Award – Wind Availability Cross Functional Team
- PMP (Project Management Professional), 2010 – Certificate #1353721
- Certified Six Sigma Black Belt (BMGI/NextEra Energy), 2010
- Graduate of USAF Squadron Officer School (SOS), 2003
- Graduate of USAF Intelligence Officer Training, 1998
- Graduate of USAF Air Force ROTC (Reserve Officers’ Training Corps), 1997
- Member: Mu Kappa Tau - National Marketing Honor Society