



J. B. Shepherd & Company, Inc.

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Miguel Rodriguez, Electrical Engineer

Curriculum Vitae January 15, 2019

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PROFESSIONAL SERVICES:

- ❖ Qualified consultant on electric utility construction, operation, maintenance methods and procedures with emphasis on system operation and protection.
- ❖ Power Dispatch Operations
- ❖ Outage Management Systems
- ❖ Trouble Analysis
- ❖ S C A D A
- ❖ Distribution Automation
- ❖ Disaster Recovery and Mitigation
- ❖ Protective Relaying
- ❖ Power Quality
- ❖ Energy Conversions
- ❖ Customer Service/Relations
- ❖ Labor Relations
- ❖ Budget Preparation
- ❖ Project Management
- ❖ Facilities Planning
- ❖ Electrical Failure Analysis
- ❖ Residential Design
- ❖ Commercial Design
- ❖ Hospitals Designs
- ❖ Power System Designs
- ❖ Power Systems Construction
- ❖ Power System Operations
- ❖ Underground Facilities Locates
- ❖ Underground Facilities Damage Prevention

PROFESSIONAL QUALIFICATIONS:

- ❖ 1976 Engineer-in-Training Certification, San Juan, Puerto Rico
- ❖ 1981 General Electric System Coordination Course, Atlanta, Georgia
- ❖ 1986 Leadership Development Program, Eckerd College, St. Petersburg, Florida
- ❖ McGraw Edison Coordination Seminar, St. Petersburg, Florida

EDUCATION:

- ❖ 1975 Bachelor in Science, Electrical Engineering, University of Puerto Rico, College of Engineering, Mayagilez, Puerto Rico

EMPLOYMENT HISTORY:

- ❖ **2017 to Present:** J.B. Shepherd & Company, Inc., Associate Engineer, Electrical Forensic Engineer, Expert Witnesses.
- ❖ **2006 to 2017:** Utilities Commission, City of New Smyrna Beach, New Smyrna Beach, Florida
Senior Engineer, Director Electric Operations Department
- ❖ **1981 to 2005:** Florida Power Corporation/Progress Energy Florida, Orlando, Florida
Engineer II, Project Engineer, Senior Engineer, Operations and Planning Engineer,
Lead Engineer Technical Support Specialist, Shift Supervisor Dispatch Operations,
Supervisor Operations and Planning
- ❖ **1979 to 1981:** Orlando Utilities Commission, Orlando, Florida
Design Engineer Electric Overhead Department
- ❖ **1977 to 1979:** Greenwood Electric Corporation, Bayamon, Puerto Rico
Project Engineer
- ❖ **1975 to 1977:** Prats McGregor Electric Inc., Bayamon, Puerto Rico
Site Engineer