

Luther Fair, P.E.
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Smith Engineering Consultants
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SMITH ENGINEERING CONSULTANTS, West Palm Beach, FL

2017- Present

Position: Senior Electrical Engineer

Title: Senior Project Manager

PROJECT EXPERIENCE

- SFWMD C43-West Basin Reservoir, Hendry County, FL - Electrical Design and Instrumentation application for 10 gate structures to manage water level in the Calooshatchee River. Worked with geotechnical team to place 338 piezometers and 64 RTUs Along the dam and Townsend Canal to monitor the dam's integrity.
- SFWMD S-333N Gate Structure, Dade County, FL - Electrical Design and Instrumentation application for new gates with remote control
- Southern Region Water Reclamation Facility (SRWRF), Hagen Ranch Road, West Palm Beach, FL – Evaluated existing electrical system (4.16 KV and 480V) including generation fleet for 2 phases of growth to reach ultimate buildout.
- Coral Springs Improvement District, Broward County, FL - Evaluated existing electrical system and equipment for maintenance and replacement needs, vulnerability assessment and support of arc flash study.

Senior Engineer

GAINESVILLE REGIONAL UTILITIES (GRU) - Gainesville, FL

2005 - 2016

- Designed a mile-long entrance drive lighting system using 400W Equal LED fixtures using 200 foot spacing for North Florida Drug Hospital Prison on SR 26.
- Coordinated all FDOT projects including the upgrading of all street light intersection hardware involving joint use poles.
- Responsible for all aspects of a 230kv circuit with a 138kV looped
- Transmission system serving 17 substations and 3 generation sites,
- Including FRCC representation on both the transmission and planning committees and subject matter expert for several NERC Compliance Standards.
- Managed the interconnection of over 100 solar electric systems ranging from 3kW to 1.4MW totaling over 16 MW.
- Provided preparation for assessment damage effort resulting from hurricane and similar serious damage to the GRU Electric System involving 75+ people.

Senior Supervising Engineer

CLAY ELECTRIC COOPERATIVE, INC - Keystone Heights, FL -

2003 – 2005

- Provided leadership, direction, training, and resources for 5 engineers who designed and coordinated the installation of over 400,000 trench feet of URD per year and completed over \$1.2 million in overhead system improvement projects per year.
- Evaluated and coordinated all FDOT and County road projects for the entire company including requesting exceptions and negotiating best cost solutions including highway lighting designs.
- Served as crew leader for 2 foreign crews which assisted in damage repair for Hurricane Francis and Hurricane Jean

Technical Resource Services (TRS) Supervisor

FLORIDA POWER AND LIGHT COMPANY - Daytona Beach, FL

1992 - 2003

- Provided leadership, direction, training, and resources for 31 technicians who provide AutoCAD drafting,

GESmallWorld database maintenance, mapping products, surveying, and duplication services to over 450 members of the Statewide Distribution Team.

- Provide new work processes based on Stever Trent's STORMS software to manage all production work.
- Used ESRI ArcInfo and ArcView to manage land and graphic display of various themes to support the entire Power System business unit.
- Coordinated the conversion from manual drafting to an entirely computer generated (Cad-Cad Overlay) hybrid file

D.O.T. RELOCATION COORDINATOR

FLORIDA POWER AND LIGHT COMPANY, West Palm Beach, FL

1992 - 1995

- Coordinated the design and construction of ten relocation projects (budget of \$2.967 million) meeting all deadlines established by Florida D.O.T. District IV.

DISTRICT ENGINEER

FLORIDA POWER AND LIGHT COMPANY, West Palm Beach, FL

1990 - 1991

- Supervising 18 engineers and technicians which completed the engineering of all the 1991 budget items (34,700 man hours - \$5.1 million).
- Reviewing and approving all system improvement and FDOT and County relocation work in West Palm District for compliance to safety, clearance, and construction standards.

DISTRICT CONSTRUCTION SERVICES MANAGER

FLORIDA POWER AND LIGHT COMPANY- Royal Palm Beach, F L

1988 - 1990

- Managed 4 supervisors and 58 other operating personnel who maintained 23,500 existing accounts and simultaneously installed 200 new meters per month.
- Served on corporate functional review team to develop and standardize T&D work processes. Effort contributed to FPL receiving first ever Overseas Deming Prize - Japan's highest quality award.

SERVICE PLANNING SUPERVISOR

RUBIN SERVICE CENTER - 1987 - 1988

SERVICE PLANNING SUPERVISOR

FLORIDA POWER AND LIGHT COMPANY - 1984 - 1986

POWER SERVICES REPRESENTATIVE/ FIELD ENGINEER

PALATKA/MELBOURNE - 1972 - 1984

EDUCATION

B.S.E.E. with Honors in Electrical Engineering, 1972

University of Tennessee - Knoxville, TN

CERTIFICATIONS/LICENSES

Professional Engineering License:

State of Florida: Electrical Engineer

License # 24633

1977 - Present