



### Professional Profile

Luther has extensive experience as an electrical engineer. He spent most of his career climbing the ladder in various positions at Florida Power & Light. There he gained an unparalleled understanding of electrical systems across various types of civil infrastructure. Luther not only has an acute knowledge of his field, he also possesses an aptitude for leadership and efficient project management. Because of his knowledge, ability and experience Luther implements value engineering in his work and instills wisdom in his colleagues.

### Software Skills

AutoCAD, MicroStation and Microsoft Office

### Education

BS - Electrical Engineering University of Tennessee - Knoxville, TN, 1972

### Licenses/Certifications

P.E. 24633

### Professional Societies

Institute of Electrical and Electronics Engineers, Life Member

### Years with SEC:

5

### Years of Experience:

40+

### Sample Project Experience

#### Wastewater Treatment Facilities

**Palm Beach County Water Utilities District SRWRF-Hagen Ranch Rd. Facilities Condition Assessment** - *Electrical Engineer* responsible for the data gathering, evaluation, and report generation justifying the replacement of electrical equipment in 11 buildings at the South Regional Water Reclamation Facility (SRWRF).

**Palm Beach County Water Utilities District SRWRF-Hagen Ranch Rd. Facilities Master Plan** - *Electrical Engineer* responsible for the data gathering, evaluation, and report generation for justifying new electrical facilities to handle the 2200 kWD of electrical demand being added to the existing 3700 kWD. Also provided a time line shown in this Facilities Master Electrical Plan.

**Palm Beach County Water Utilities District WWTP Facility Facilities Condition Assessment** - *Belle Glade & Pahokee Facilities, Electrical Engineer* responsible for both locations data gathering, evaluation, and report generation justifying the replacement of electrical equipment in 13 buildings at a cost estimate of \$745,000

**Palm Beach County Water Utilities District, North West Regional WWTP** - *Electrical Engineer* responsible for both locations data gathering, evaluation, and report generation justifying the replacement of electrical equipment

#### Stormwater and Surface Water Management

**SFWMD C43-West Basin Reservoir S-470 Pump Station** - *Electrical Engineer* responsible design of Power, Lighting, and Instrumentation for 12 gate structures and for the Dam monitoring. Designed 5kv and below Power, Lighting, and Instrumentation/SCADA for pump station consisting of (4) four 2500HP, 5KV pumps.

**SFWMD C43-West Basin Reservoir** - *Electrical Engineer* responsible for the Electrical Design and Instrumentation application for 10 gate structures to manage water level in the Caloosahatchee River. Coordinated with geotechnical team to place 338 piezometers and 64 RTUs along the dam and Townsend Canal to monitor the dam's integrity. This project represents the largest project letting ever from the SFWMD.

**City of Fort Lauderdale, Fort Lauderdale Executive Airport Pump Station Improvements** - Responsible for the Electrical Design and Instrumentation application for the upgrading of Variable Frequency Drives (VFDs) for 3-1800 HP motors

#### Solid Waste System Infrastructure

**Solid Waste Authority of Palm Beach County - Arc Flash Study** - *Electrical Engineer* responsible for the data gathering, evaluation, and report generation for update to the Site 7 Facilities Arc Flash Study involving 2- 13kV and 25 - 5kV transformers, and 8 - 5kV switchgears.