



Electrical Design Associates

Lillian M. Reyes, P.E.

Professional Record

Ms. Reyes is the chief electrical engineer for Electrical Design Associates, Inc. Ms. Reyes is experienced in designing electrical power distribution for municipal systems, water and wastewater treatment facilities, above and below ground distribution systems, lighting systems for parks, roadway, and industrial facilities, security and fire alarm systems for commercial and government buildings, manufacturing facilities, computer rooms, schools, hospitals and residential dwellings. Ms. Reyes project management responsibilities encompass preliminary and final design, cost estimating, and construction/start-up services.

Experience:

Ms. Reyes is experienced in electrical design for various projects with the private and public sector. Ms. Reyes was the project manager, in responsible charge, for all electrical design concerns for the following projects:

- IQ Water Pump Station
Loxahatchee River Environmental Control District
- Water Conserv II Water Reclamation Facility
Orlando, Florida
- Iron Bridge Water Reclamation Facility
Orlando, Florida
- Norwood Offler Water Treatment Plant
North Miami Beach, FL
- Cork Screw WTP Expansion
Lee County, Florida
- Crane Stand Lift Station 249
City of Orlando, Florida
- Sunflower Master Pump Station
Orange County, Florida
- Mecca Farms Pump Station
Palm Beach County, Florida
- North Region Pump Station
Palm Beach County, Florida

Academic Credentials:

Bachelors of Science in Electrical Engineering
Florida Atlantic University, 1988

Professional Engineer – Florida 50780

Employment Record:

1998-Present - Electrical Design Associates, Inc.
Owner/President, Electrical Engineer

1996-1999 - Bailey Engineering Consultants, Inc.,
Electrical Engineer

1989-1996 - IBM Corporation
Senior Associate Engineer

1988-1989 - Brabham Debay and Associates, Inc.
Electrical Engineer

Principal Areas of Expertise:

Electrical Design of Power Distribution, Lighting,
Security and Fire Alarm Systems for Environmental,
Municipal and Commercial Projects

Electrical Cost Estimating

Professional Activities:

Florida Engineering Society (FES)
Illuminating Engineering Society (IES)
National Fire Protection Association (NFPA)



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John R. Newton Professional Record

Mr. Newton is an electrical designer with over 40 years experience in planning, designing and installing control systems. The majority of this experience has been in the water and wastewater industries. During this time he has managed multi-million dollar projects for a water/wastewater control system supplier as well as providing consulting engineering services to those industries for over 30 years.

Mr. Newton has designed plant control systems for water and wastewater treatment plants with capacities up to 200 MGD as well as SCADA systems for lift station collection facilities, water distribution pump stations, and reclaimed water systems. He has developed strategic automation plans for some of the largest utilities in the country. Such plans have covered all aspects of a utility's operation including plant automation, maintenance management, customer service, GIS and engineering.

Mr. Newton is experienced in many different water and wastewater treatment processes. He has also utilized a number of different procurement strategies to ensure the optimum system is obtained while remaining within a particular utility's procurement policies.

Over the years, Mr. Newton has provided engineering services to many utilities. The following is a partial list:

Plant Control and/or SCADA Systems:

- Memphis Wastewater Dept, TN
- Fairfax County Water Authority, VA
- Fort Lauderdale Water/Wastewater, FL
- Detroit Wastewater Dept., MI
- Orlando WW, FL
- Little Rock WW Dept, AR
- Lakeland Water Dept., FL
- Indian River Co. Water, FL
- Chesterfield Co. Water Dept., VA
- Orange Co. WW Dept., FL
- Dunedin Water Dept, FL
- Kissimmee Wastewater, FL

Strategic Automation Planning/Business Process Reengineering:

- Pinellas Co. Water/wastewater, FL
- Broward Co. Environmental Services, FL
- South Florida Water Management District, FL
- Charlottesville Water & Sewer, VA
- Fort Lauderdale Water/Wastewater, FL
- Jacksonville Water/wastewater, FL
- Miami-Dade Water & Sewer, FL

Academic Credentials:

Bachelors of Electrical Engineering
Newcastle Polytechnic, England, 1975
Digital Electronics

Certificate in Management
AMA Extension Inst., Piedmont College, NC, 1986

Employment Record:

2002-Present – Electrical Design Associates, Inc.
2000-2002 – Machine Technology & Control
1996-2000 – Westin Engineering
1992-1996 – EMA Services
1988-1992 – Camp, Dresser & McKee
1980-1988 – Simmonds Precision
1975-1980 – Sperry Gyroscope
1970-1975 – International Computers Ltd

Principal Areas of Expertise:

Planning, Design, and Implementation of Instrumentation and Control Systems for Water and Wastewater Treatment Facilities and Pump Stations

Telemetry Subsystems

Business Process Reengineering for Water and Wastewater Utility Efficiency Improvements

All Phases of Project Management

Publications:

“Control of large water pumping stations more than just a remote possibility”.
Annual AWWA Conference, Miami, FL, 1995
J. Newton and J. Branscome (SFWMD)



Electrical Design Associates

Ryan Meeks **Professional Record**

Mr. Meeks is an electrical designer experienced in designing lighting and power systems for water and wastewater treatment facilities, above and below ground distribution systems and industrial facilities. His electrical designing responsibilities encompass all aspects of drawing production, as well as system design.

EXPERIENCE

Mr. Meeks is experienced in electrical design. He has been involved in the electrical system design on a variety of environmental projects. His experience includes electrical designs for water treatment plants, water reclamation facilities and water reuse projects, and lighting projects. A sample of projects in which Mr. Meeks was involved is as follows:

- North Bay Village Master Pump Station
North Bay Village, Florida
- City Commons and Waterfront
West Palm Beach, Florida
- Conserv II WRF 13 kV Improvements
Orlando, Florida
- North Region Pumping Station
Palm Beach County, Florida
- Bella Lago Water Treatment Facility
Orlando, Florida
- Lake 14-1 and Higgins Lake, The Villages
Irrigation Pump Station Electrical, Lightening
Protection, Lighting and HVAC
Sumter County, Florida
- Margate Lift Station Improvements
City of Margate, Florida
- Sanford Augmentation Phase IIC
Sanford, Florida

Academic Credentials:

Advanced AutoCadd Training of Sheridan
Vocational Technical Center – Hollywood, Florida

Certification in Architectural and Civil Engineering

Employment Record:

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| 08/07 – Present | Electrical Design Associates Delray Beach, FL |
| 05/06 – 08/07 | Craig A. Smith & Associates Royal Palm Beach, FL. |
| 12/02 – 05/06 | Electrical Design Associates Delray Beach, FL |
| 3/00 – 12/02 | Petropac Solutions. Inc. Davie, FL |
| 2/94 – 10/99 | Sunset South Thermographers Pompano Beach, FL |

Principal Areas of Expertise:

Electrical Design of Lighting and Power Systems
for Environmental, Municipal and Commercial
Projects