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**PAUL T. CALLAHAN, P.E.**  
**Engineering Management**

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**Professional Summary:**

Mr. Callahan has over 40 years of successful experience in the power generating industry. He has proven leadership and management skills with valuable expertise in construction, contracts, engineering, and quality as well as cross-discipline civil, structural, mechanical, and electrical engineering capabilities on many types of projects and facilities. He has provided management, consultation and technical recommendation to several owners, engineering firms, equipment suppliers and contractors regarding design, contracts, schedule, engineering, procurement, construction, quality, and maintenance issues.

**Highlights:**

- Director of PV solar plant engineering for the largest Developer and Owner of PV solar plants in the United States
- As Project Manager, full project corporate responsibility for various new solar power projects and major plant upgrades
- Project Engineer with overall technical and performance responsibility for 1150 MW Manatee 3 and 1750 MW Forney Combined Cycle Plants
- Supported numerous power projects through development, licensing, engineering and construction
- Successfully supported the acquisition and development of the 530 MW RISE combined cycle power plant in Rhode Island
- Directed technical hydroelectric plant due diligence activities for 10,000 MW's of potential domestic and international acquisitions and performed due diligence on over 12,000 MW's of combined cycle development projects
- Extensive interface with public officials and regulatory agencies to resolve environmental and administrative issues affecting new and existing power plants

**Experience:**

**Summit Energy Group**

Aug. 2020 to Present

Providing engineering support to NextEra Energy Resources in the development, permitting, engineering and construction of utility scale PV solar plants.

**Florida Power & Light Company/NextEra Energy Resources**

1988 to Aug. 2020

Director - Solar PV Plant Engineering

Corporate responsibility for utility scale PV solar power plant engineering during a time period of significant company solar plant growth. Managed an engineering staff of up to 17 engineers. Primary role was developing a staff to provide solar project engineering including develop design criteria, procurement of plant equipment, contracting and providing oversight of design firms during the development, design and construction of plants. Overall supported the completion of 60 solar plants totally over 4,000 MW.

Project Manager – 800 MW Oil Fired Plant ESP Retrofit Projects

Project Manager for the installation of ESP Retrofit Projects for four 800 MW oil fired fossil plants. Accountabilities included all project management activities including contract negotiations, engineering, construction, commissioning and startup. Projects were executed during a nine month rolling near continuous outage of the four separate plants.

Project Manager – Solar PV Power Projects

Project Manager for the installation of four solar photovoltaic power projects totaling 41 MW. All projects connected at high voltage to the local utility transmission grid. Accountabilities included permitting, scope definition, selection of equipment and contractors, contract negotiations along with engineering, construction, commissioning and startup. All projects were successful and met all corporate objectives including cost, schedule, and safety.

Project Engineer

The Project Engineer for Manatee Unit 3 and Forney Combined Cycle Plants through detail design and construction. Accountabilities included resolving all technical issues in a cost effective and timely manner and drive the project to completion while meeting or exceeding plant budget and performance goals.

Construction Manager

As part of Construction Project Management, performed due diligence on over 12,000 MW's of combined cycle development projects. Key accountabilities include fatal flaw analysis, forecast of capital cost, development of project schedule, and presented project results to executive committee. In addition, negotiated EPC contracts and interacted with all major EPC contractors on project scope, commercial terms, price and schedule.

Principal Engineer

Responsible for the fleet performance of cooling pond systems and civil site infrastructure assets. Key accountability, at a business unit level, was to ensure the proper operation of embankment dams with major safety and liability implications. Predicted system performance by performing condition assessment inspections, training of plant technicians, and by identifying and perfectly executing specified tasks. Performed due diligence on the acquisition of approximately 10,000 MW's of existing and proposed hydroelectric plants for domestic and international projects.

Senior Civil Engineer

Lead civil engineer for \$520 million Martin Combined Cycle Power Plant through the licensing, design and construction phases of the project. Defined the scope and managed the work product of six A/E's.

**Boston Edison**

1988

Provided fleet operating power plants with engineering to support plant modifications.

**Bechtel Power Corporation**

1980 to 1987

Performed design of civil structures for various power plants in both field and office locations.

**Professional Licenses:** Registered Professional Engineer – State of Florida

**Education:** B. S. Civil Engineering, Virginia Tech, 1980