

# TIMOTHY PETTUS, PMP, PgMP

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## PROJECT MANAGEMENT / ENGINEERING LEADER

*Performance/Process Improvement • Program Management • Engineering/Construction Projects • Training*

Innovative project management expert who uses original processes and techniques to deliver high quality major projects on time and under budget, including creation of project management programs and development of independent and successful project managers. Engineering design manager with expertise in the nuclear Standard Design Process (SDP) and modification development / implementation.

## PROFESSIONAL EXPERIENCE

**PETTUS PROJECT CONSULTING** (<https://pettusprojects.com>) – Columbia, MO

**Principal, Senior Consultant**

**2024-Present**

**AMEREN CORPORATION** – Steedman & St. Louis, MO

*Ameren: Fortune 500 electric/gas utility (US 12th largest); \$7.5B revenue, serving 2.5M+ electric and 1M+ natural gas customers.  
Callaway: Nuclear power generation plant serving 1+M customers. Operates on 2,767 acres with over 1,000 employees.*

**Manager, Engineering Projects**

**2020-2024**

Managed engineering projects department of 30 personnel and approximately 100 contractors, overseeing a \$100M annual project budget. Responsible for project planning, implementation, and adherence to corporate procedures, ensuring optimal resource utilization.

- Consistently achieved perfect scores at corporate gate boards through enhanced training, project readiness, and adherence to key procedures.
- Reduced open modification backlog by over 70% by assigning dedicated project manager and team and prioritizing backlog reduction efforts.
- Improved vendor performance by implementing targeted quality oversight and establishing direct engagement with vendor management teams.
- Elevated overall design quality via training and focus on department gaps, resulting in record performance for the site Design Quality Metric.
- Reduced procedural errors by over 50% by implementing robust project management training and orientation for new and contract PMs.
- Increased engineer productivity by reallocating project management duties and adding contract project managers allowing engineers to focus solely on technical design work.

**Manager, Engineering Design**

**2018-2020**

Managed the Design Engineering Department of 25 professionals for the Callaway Energy Center which included Design Bases, Configuration Management, and Reactor Engineering groups.

- Reduced engineering request backlog by 50% (from 940 to 470 items), within one year.
- Closed INPO Area for Improvement (AFI) at the earliest review opportunity, achieving full compliance with no additional AFIs over the next 6 years.
- Improved design operations by refocusing efforts on core responsibilities, significantly enhancing performance metrics.
- Reorganized the department to improve efficiency and productivity. Significantly improved department Values Pulse Questionnaire (VPQ) score, which reflects employee satisfaction.

**Supervising Engineer, Major Projects**

**2008-2018**

Oversaw large capital projects with a collective budget exceeding \$330M, supervising 9+ project managers and engineers. Directed project teams responsible for major nuclear plant upgrades. Developed project management programs and training to enhance execution and compliance. Developed business line project

management program and associated training for Callaway Energy Center. Every assigned project was completed on schedule and within budget.

- Issued Stop Work Order for replacement reactor vessel head fabrication based on identification of higher-than-expected number of welding process flaws. Established root cause team which identified underlying issues, implemented corrective actions, and completed fabrication on schedule.
- Led high-impact installation team for reactor vessel head replacement, creating an assessment tool that ensured preparation across 25 activity categories and reduced refueling outage by over a week, only the second early outage completion in over 20 refueling outages.
- Directed the construction and initial cask loading for the world's first underground Independent Spent Fuel Storage Installation (ISFSI) at an operating nuclear plant.
- Fast-tracked design, procurement, installation, and testing of the Non-Safety Auxiliary Feed Pump within 30 days of project approval.
- Delivered a seismically qualified foundation and a 500K-gallon storage tank, meeting stringent NRC Fukushima compliance requirements.

### **Senior Project Manager – Generation Technical Services**

**2006-2008**

Managed capital projects for coal plant operations, overseeing budgets of \$50M-\$70M and leading cross-functional teams to plan and execute Major Boiler Outages (MBOs) across 10 units. Implemented improved project management processes, enhancing safety, communication, and performance.

- Improved plant outage organization and process, enhancing safety and efficiency through centralized team coordination.
- Developed project management program, later adopted company-wide, resulting in no major project management failures for nearly two decades.
- Improved non-nuclear business line quality by integrating an ISO 9001-aligned procurement management process.

### **ADDITIONAL EXPERIENCE**

Ameren | Project Manager - Steam Generator Replacement

Ameren | Consulting Engineer / Project Manager - Steam Generator Maintenance

Gearhart Industries | Field Engineer – Oilfield Wireline Services

### **EDUCATION & CERTIFICATIONS**

Bachelor of Science, Mechanical Engineering – Missouri University of Science and Technology

Ameren Leadership Engagement and Development Series (LEADS)

**Certified Project Management Professional (PMP)**

**Certified Program Management Professional (PgMP)**

### **PROJECT AWARDS & RECOGNITION**

#### **Reactor Vessel Nozzle Mitigation / Containment Cooler Coil Replacement**

- 2018 Ameren President's Excellence Award

#### **Dry Fuel Storage Facility Project**

- 2016 Ameren President's Excellence Award

#### **Steam Generator Replacement Project**

- 2006 Ameren President's Excellence Award
- Platts Global Energy Award for 2006 Energy Construction Project of the Year
- St. Louis Chapter of the Project Management Institute (PMI) 2006 Project of the Year