

# Stephen R. McCurdy

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*Active Security Clearance | Project Management Professional (PMP) <https://stephenmccurdy.com/>*

**Site Management, Diesel Power Generation, and Utilities Management** expert with over 20 years of experience driving optimal performance across diverse organizations including 15+ years on international assignments. Successful record of managing complex projects and programs with near-zero downtime. Built and managed multi-national workforce up to 20 different nationalities.

*Provided management expertise and oversight in the operation, maintenance, and repair of the central energy plant (CEP).*

*Manage CEP and supporting department's workload activities and employees, guide the O&M team in the preventative maintenance, operations, engineering systems improvements, equipment replacement, utility usage, and long-term efficiency.*

Boilers, Chillers, Generators, Power Distribution System, and HVAC System's

## PROFESSIONAL HIGHLIGHTS

**Managed Program Environmental, Safety, Health, and Quality Assurance** requirements, commissioned MW power station, critical power systems, and medium voltage distribution systems.

**Recognized for excellent strategic planning** to identify and address subpar operations, increase productivity, cut costs, and implement quality improvement to enhance performance, compliance, and stakeholder satisfaction.

**Demonstrated ability to manage, motivate, and build** cohesive teams to achieve results, utilizing exemplary leadership and communication skills.

**Managed power generation, control room, various size generators** (Cat c-280), (CAT 3512), (CAT 3516), Cummins QSK60, KTA50G3, KTA50G9, MTU20V400G24F, MTU 20V4000G34F, Alternators CAT 1MV, 24vDC to 15kVAC power generation-distribution grid, GE and Siemens systems, PLC and electronic controls, switchgear, step-up and step-down transformers, substations, fusible switches, SCADA system, and automatic transfer switches.

## SKILLS & EXPERTISE

- Site Management
- Operations & Maintenance Oversight
- Program and Project Management
- Utilities Management
- Electrical Power Generation & Distribution
- US Army General Fund Enterprise Business Systems
- Quality Assurance Management
- Contract Development & Negotiation
- Natural Gas Rebuilds
- Camp Facilities O & M
- Strategic Planning
- Budget Development and Administration
- Materials & Inventory Management
- Continuous Process Improvement
- Safety Program Management
- Regulatory Compliance
- Risk Management & Mitigation
- Preventive Maintenance, Installation & Repair
- Microsoft Office (*Word, Excel, Outlook, Project*)
- Maximo

## PROFESSIONAL EXPERIENCE

**J&J Worldwide Services Brian D. Allgood Community Hospital CUP Manager -**  
MEDDAC Korea Camp Humphreys South Korea August 30, 2021, to Present

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- Provided management expertise and oversight in the operation, maintenance, and repair of the central energy plant (CEP). Manage CEP and supporting department's workload activities and employees, guide the O&M team in the preventative maintenance, operations, engineering systems improvements, equipment replacement, utility usage, and long-term efficiency.
- Managed and supervises work orders to ensure timely, accurate, and effective completion.
- Managed the Boilers, Chillers, Generators, Power Distribution System, and HVAC System's.
- Prepare monthly reports as assigned; review assigned service orders monthly to determine the percent.
- Complete to invoice the government.
- Solicited bids for Service Contracts for Maintenance work and oversees timely completion.
- Served as the preventative and corrective maintenance expert for the team to come to for guidance and direction.
- Ensured conformance to contract requirements and reviews performance indicators to improve Efficiency.
- Managed building files, drawings, and maintenance records are kept up-to-date.
- Performed frequent Quality Control (QC) inspections, initiated, oversees, and documents.
- Corrective and preventative actions in support of the QC program.
- Planned, managed, directed, and motivated assigned personnel and long-range activities, and ensures All programs and procedures are being properly implemented.
- Effectively managed maintenance operations necessary to execute all scheduled maintenance and Unscheduled maintenance events described in the project work scope with established regulatory Responsible for assigning work orders and duties and reviewing all corrective and preventative Maintenance for proper documentation.
- Investigated equipment failures and issues to diagnose faulty operation, and to make
- Recommendations to project manager, O&M team, and FM staff.
- Prepared monthly reports as assigned; review assigned service orders monthly to determine the percent.

**Site Manager** | Vectrus Systems Corp | Muwaffai-Salti Air Base (MSAB), Jordan | 01/2021 to 6/17/2021

- Project: 8MW Power Plant for the United States Air Force on the AFCAP IV contract.
- 11kV distribution system with five 11KV feeders and MV 600A 4-way switched disconnect switchgear/feeder.
- Perform duties of Site/Power Plant Manager, Quality Control Manager, Safety Manager, and Property Control Manager for property inventory to establish property control plan.
- Coordinate and oversee the day-to-day O&M, personnel, and services to ensure quality.
- Responsible for EHS practices, procedures and techniques, and logistics/supply support services.

*Key Achievements:*

- Performed installation and commissioning of the power plant and provided daily quality control and progress report to the prime contractor for review. Perform daily quality control inspections on civil engineering construction

**Supervisor, Power & Fuel System** | PAE | U. S. Embassy | Kabul, Afghanistan | 01/2019 – 10/2020

- Oversaw management of the 26 MW power station, critical power systems, and medium voltage distribution system. Responsible for maintaining a safe workplace and complying with all Program Environmental, Safety, Health, and Quality Assurance Requirements. Monitored energy efficiency and analyzed system performance to provide engineering recommendations to improve compound sustainability and resiliency. Responded to critical service (power) outages and effected service restoration in a safe and expedient matter.
- Managed and oversaw the operation, calibration, diagnostics, troubleshooting, and repair of all mechanical and electrical equipment systems and electric/pneumatic control systems on-site. Interpreted work orders and associated specifications, operating manuals/procedures, and technical publications to properly schedule work and provide advice to workers.
- Determined schedules, sequences, and assignments for work activities, based on work priority, type of utility services, and skill of personnel. Monitored work locations to detect unsafe work conditions and implemented on-the-spot corrections and process improvements as required.

*Key Achievements:*

- Served as liaison with State Department's Bureau of Overseas Buildings Operations on commissioning and operational integration of ongoing and future engineering projects.
- Participated in budget preparation, capital expenditure reviews, purchasing, and monitoring expenditures.
- Arranged and conducted worker training in utilities operational procedures, equipment use, and repair and maintenance techniques.

**High Voltage Power Generation Foreman** | DynCorp International | US Army Garrison | Kwajalein Atoll | Republic of Marshall Islands | 08/2018 – 01/2019

**And High Voltage Power Generation Foreman** | IAP | Kwajalein Atoll | Republic of Marshall Islands Contract changeover to DynCorp | 03/2018 – 08/2018

- Lead plant operator, lead floor operator and served as control room/floor operator when needed. Maintained Intrepid SCADA system and drawing and plant parameters. Conducted audits and submitted reports on diesel generators and auxiliary equipment. Performed emergency repairs on Cat C280 generator.

*Key Achievements:*

- Utilized in-depth knowledge and ability to perform maintenance on power generation equipment to include engine, Alternating Current (AC) alternators, electronic controls, electrical wiring, and accessories. Performed load calculations to properly size power generators for power plant operations.

**Power Generation Foreman** | KBR | Camp Redleg | UAE | 01/2018 – 03/2018

- Performed preventive maintenance services and repairs on 6-kW to 1000-kW generators involving installation and removal operation of generators from locations to power generation shops. Troubleshoot and rebuilt engines, alternate current (AC) systems, direct current (DC) systems, electronic control systems, and other program logic controls, electrical wiring, and accessories.
- Maintained all types of power generation equipment including FG Wilson, Caterpillar, Volvo, Cummins, SDMO, AKSA, MEPS, and other military design generators.

**Power Plant Senior Technician & Operator** | Louis Berger | Al Asad Air Base, Iraq | 04/2017 – 12/2017

- Lead maintenance and plant operator of a 6mw electric-driven diesel power plant. Managed, developed, and implemented projects of varying complexity and size in the delivery of 10 - 3phase/60 Hz/4160V stationary diesel engine-driven electrical power generation systems.
- Coordinated and supervised the overall delivery of quality performance by service technicians. Developed maintenance, labor, and parts budgets. Created work schedules and maintained accounting of productivity. Provided employee training and development.

- Generated service-related revenue scheduling and performed timely repairs for the power plant. Reviewed engineering documents for power generation and electrical utility systems for proper construction. Developed and implemented standard operating procedures, policies, and code compliance. Developed and provided oversight of electrical utility quality assurance and safety programs.

**Power Production Supervisor** | Florida Detroit Diesel Allison | Miami, Florida | 01/2017 – 04/2017

- Managed installation and replacement of generators: manpower, supplies, service technician assignments, verification of work completion and safety requirements, scheduling of outages. Assisted service advisors in resolving customer complaints. Developed and set budgets for shop costs to achieve margin objectives and budgets. Established work standards to assess service technician performance. Coordinated and supervised the overall delivery of quality performance by service technicians. Developed maintenance, labor, and parts budgets.

**Power Production Superintendent** | Sallyport | Balad, Iraq | 03/2016 – 01/2017

- Orchestrated a multinational team of 20 in daily operations. Planned and led preventative and reparative maintenance initiatives. Managed full implementation and quality project lifecycle. Oversaw 20 Prime Power Caterpillar diesel generators and 280 generators and light sets ranging from 5 kw to 1.8 mw. Drafted and established Standard Operating Procedures, service schedules, job plans, desktop guides, and safety forms to ensure all standards met and hazards identified and prevented.

*Key Achievements:*

- Implemented modified quality control and quality assurance procedures to enhance the level of maintenance.
- Conducted regulatory training to ensure all personnel was knowledgeable of all policies and procedures.
- Performed fuel usage studies and monitored loads daily on all equipment to optimize the grid and yield fuel savings.
- Conducted root cause analysis to identify, isolate, and remediate ongoing and emergent equipment issues.

**Utilities & Project Manager** | Alyeska Resort & The Hotel Alyeska | Girdwood, Arkansas | 10/2015 – 03/2016

- Managed electrical power generation and distribution, medium voltage, and auxiliary diesel generator maintenance for 10 hotel boilers directly supporting the hot water system for the resort. Provided project management oversight of two MT Gas Turbine 250kw generators. Directly supported resort electrical expansions and projects.

**Utilities Manager** | Centerra LLC | US Navy Support Facility | Diego Garcia, BIOT | 03/2015 – 08/2015

- Managed electrical power generator, medium voltage, auxiliary diesel generator departments with an array of diverse equipment including opposed-piston engines synchronous generators, and solar water panels. Managed and developed plant budgets focused on controlling costs.
- Successfully bid and received the award to overhaul 14 Fairbanks Morse generators with a total award of \$6.3M.
- Developed a robust contingency plan while monitoring a diesel generator operation. Implemented progressive measures to achieve mobile generator capabilities. Trained and mentored power generation crews to maintain power generators and repair/replace them as needed.

**Delivery & Execution Project Manager - Strategic Accounts** | Entegee Engineering Technical Group | Contracted to Cummins Power Generation Corp. | New Hope, Minnesota | 03/2013 – 04/2014

- Managed, developed, and implemented projects of varying complexity and size in the delivery of 643phase/60 Hz stationary diesel engine-driven electrical power generation systems into 4 data centers. Managed issues, scope, resources, and schedule. Created and executed communication plans for the unique needs of various stakeholders.

**Power Generation Manager** | Fluor-FGG, Inc. | US Army Sustainment Command | FOB Salerno Afghanistan | 01/2009 – 03/2013

- Provided oversight at LOGCAP IV Task Order 05 for US Military Operations & Maintenance Support, power generation operations, and maintenance for AOR Salerno. Supervised power plant containing eight engine-driven

electrical generators rated 2.5 MW power at 3-phase/60 Hz and associated electrical equipment and switchgear systems.

**Key Achievements:**

- Managed operations and maintenance of 1375 auxiliary diesel engine-driven electrical generators.
- Supervised and mentored 40 Third Country Nationals and 10 Expatriates in power generation and electrical roles.
- Provided oversight of environmental and safety programs.
- Reviewed engineering documents for proper construction standards, operating procedures, and code compliance.
- Achieved seamless installations and replacements by cultivating open and collaborative lines of communication.

**Power Generation Foreman** | KBR FOB Orgun | Afghanistan | 03/2008 – 11/2009

**O & M Supervisor** | DynCorp International | Iraq & Afghanistan | 10/2006 – 03/2008

**Power Generation Foreman** | KBR | Camp Taji | Iraq | 03/2005 – 09/2006

**Power Generation Foreman** | KBR | USMI Camp Babylon | Iraq | 03/2003 – 03/2005

**Power Systems Superintendent** | ITT Systems | Qatar | 01/2003 – 03/2003

**Maintenance Supervisor-EDG Services** | Burns & Roe Service | US Naval Station Cuba | 01/2002 - 01/2003

**Power Plant Maintenance** | Raytheon Range Systems | location | 02/2001 – 12/2001

**Junior Engineering** | Chevron Shipping Company & Tidewater Marine | Alaska | 1994 – 1998

## TRAINING & CERTIFICATIONS

- Project Management Professional – PMP (*Villanova University*)
- Junior Engineer Certificate
- 40-hour HAZWOPER
- 24-Hour Onsite Emergency Manager Caterpillar 3500 & 3600 Series Training
- H2SGAS Training
- Series 3600 Engine Troubleshooting & Overhaul Procedures
- Series 71, 92 Engine Troubleshooting & Overhaul Procedures
- Series 50, 60, 149 Electric Fuel Control & Overhaul Procedures

## EDUCATION

**Associate of Occupational Studies in Diesel & Automotive Technology** | Universal Technical Institute