

# **STEPHEN R. MCCURDY**

## **Currently assigned to U.S. Army Garrison – Kwajalein**

### **PROFESSIONAL SUMMARY**

Senior Energy, Utilities, and Power Generation Executive with over **30 years** of experience managing electrical power generation, utility infrastructure, and mission-critical energy systems supporting the U.S. Government, Department of Defense (DoD), and international operations. Proven expertise overseeing MW-scale diesel power plants, medium-voltage electrical distribution networks, and complex energy infrastructure in austere and high-risk environments. Experienced leading multinational engineering teams, improving system reliability, and maintaining continuous electrical service across military installations, embassies, and remote operational bases. Skilled in power plant commissioning, generator fleet management, SCADA and PLC systems, and reliability-centered maintenance programs that maximize operational performance and minimize downtime.

### **CORE ENERGY SYSTEMS & INFRASTRUCTURE SKILLS**

#### **Energy Generation & Power Systems**

- Diesel Power Plant Operations (MW-Scale)
- Electrical Power Generation & Distribution Systems
- Medium & High Voltage Grid Operations
- Generator Fleet Management & Load Optimization
- Prime Power and Backup Energy Systems

#### **Energy Infrastructure & Utilities Management**

- Utilities Infrastructure Operations & Maintenance
- Power Plant Commissioning & Startup
- Electrical Substations & Distribution Networks
- Critical Infrastructure Energy Reliability
- Remote and Expeditionary Energy Systems

#### **Energy System Monitoring & Controls**

- SCADA System Monitoring & Troubleshooting
- PLC Control Systems & Electrical Automation
- Grid Switching & Outage Coordination
- Electrical System Diagnostics & Troubleshooting

#### **Energy Reliability, Maintenance & Compliance**

- Preventive & Reliability-Centered Maintenance (RCM)
- Electrical Safety Standards (NFPA 70E, NEC, OSHA)
- Quality Assurance & Quality Control (QA/QC)
- Infrastructure Performance Optimization
- Energy System Risk Mitigation & Continuity Planning

## **PROFESSIONAL EXPERIENCE**

### **Energy Logistics & Infrastructure Support Manager**

#### **CASCADE CONTRACTING & SERVICES LLC**

Kwajalein, U.S. Marshall Islands

04/2025 – Current

- Lead logistics and supply chain operations supporting remote infrastructure and construction projects across international locations.
- Direct transportation, warehousing, procurement coordination, and fleet management activities to maintain operational continuity.
- Implement logistics planning strategies that improve supply delivery timelines and inventory accuracy.
- Collaborate with cross-functional teams to ensure efficient resource allocation and regulatory compliance.

### **Energy Infrastructure Quality Control Manager**

#### **NIKA SOLUTIONS**

Kodiak, Alaska

05/2024 – 04/2025

- Directed quality assurance programs ensuring compliance with project specifications, engineering standards, and regulatory requirements.
- Developed inspection procedures, quality control documentation, and performance metrics to improve project outcomes.
- Conducted root-cause analysis and corrective action planning to resolve operational and production deficiencies.
- Led quality teams and coordinated with engineering personnel to maintain consistent quality and safety performance.

### **Energy Infrastructure Construction Engineering Technician**

#### **MBP**

Tinian, Commonwealth of the Northern Mariana Islands

02/2024 – 05/2024

- Conducted quality assurance inspections of construction materials, structural components, and installation processes.
- Verified contractor work against engineering drawings, project specifications, and safety requirements.
- Prepared QA inspection reports and documentation supporting regulatory and compliance audits.
- Coordinated with project engineers and contractors to resolve quality issues and maintain project timelines.

### **Electrical Grid & Energy Systems Operations Supervisor**

#### **NAVFAC SOUTHWEST**

10/2023 – 01/2024

- Directed electrical power generation and distribution operations including power plants, substations, and renewable energy systems.
- Supervised high-voltage technicians and operations teams responsible for grid reliability and maintenance programs.
- Implemented switching procedures, outage coordination, and SCADA monitoring to optimize system performance.
- Ensured compliance with NAVFAC, OSHA, NFPA 70E, NEC, and electrical safety standards.

### **Energy Infrastructure Engineering Technician (OCONUS)**

#### **AMERICAN SYSTEMS GROUP**

Guantanamo Bay, Cuba

02/2023 – 08/2023

- Performed quality assurance inspections on international construction projects supporting U.S. government operations.
- Reviewed contractor submittals, engineering documentation, and technical specifications for compliance.
- Monitored construction progress, safety compliance, and quality performance across multiple project sites.
- Maintained detailed inspection records, QA reports, and corrective action documentation.

### **Power Generation Operations Manager**

#### **CURTIS POWER SOLUTIONS**

09/2022 – 02/2023

- Directed branch operations including service delivery, staffing, budgeting, and equipment management.
- Implemented operational improvements that increased productivity and service efficiency.
- Managed technical service teams responsible for generator installation, maintenance, and repairs.
- Oversaw financial controls, regulatory compliance, and operational performance metrics.

### **Healthcare Energy Systems & Utilities Manager**

#### **J&J WORLDWIDE SERVICES**

Camp Humphreys, South Korea

08/2021 – 08/2022

- Led healthcare facility quality assurance and safety programs supporting U.S. Army medical operations.
- Implemented compliance programs aligned with Joint Commission and MEDCOM standards.
- Conducted quality audits, performance assessments, and safety inspections.
- Collaborated with medical leadership to improve operational procedures and regulatory compliance.

### **Energy Infrastructure Site Operations Manager**

#### **VECTRUS SYSTEMS CORP**

Muwaffai-Salti Air Base, Jordan

01/2021 – 06/2021

- Managed site operations including contractor coordination, project execution, and infrastructure maintenance.
- Oversaw construction and facility support teams ensuring projects were delivered on schedule and within budget.
- Implemented safety programs and operational procedures to maintain incident-free work environments.
- Provided project performance reports and operational updates to senior leadership.

### **Power Generation & Fuel Systems Operations Supervisor**

#### **PAE**

U.S. Embassy, Kabul

01/2019 – 10/2020

- Supervised power generation and fuel distribution operations supporting embassy infrastructure.
- Managed maintenance, inspection, and troubleshooting of electrical and fuel system equipment.
- Ensured continuous power supply through preventive maintenance and operational monitoring.
- Directed technical teams responsible for energy infrastructure performance and reliability.

### **High Voltage Power Generation & Grid Operations Foreman**

#### **DYNCORP INTERNATIONAL**

U.S. Army Garrison – Kwajalein Atoll

08/2018 – 01/2019

- Supervised high-voltage power generation operations and electrical distribution systems.
- Implemented preventive maintenance strategies improving system reliability and reducing downtime.
- Managed technical teams performing maintenance on generators, transformers, and switchgear.
- Enforced strict electrical safety standards and compliance procedures.

### **Diesel Power Generation Systems Foreman**

#### **KBR**

Camp Redleg, UAE

01/2018 – 03/2018

- Performed maintenance and repair on diesel generators ranging from 6 kW to 1000 kW.
- Diagnosed AC/DC electrical systems, electronic control modules, and generator wiring systems.
- Installed, removed, and transported generators between operational locations and maintenance shops.
- Maintained Caterpillar, Cummins, FG Wilson, Volvo, SDMO, AKSA, and military generator systems.

### **Senior Power Plant Operations Technician**

#### **LOUIS BERGER**

Al Asad Air Base, Iraq

04/2017 – 12/2017

- Operated and maintained a 6 MW diesel-powered electrical generation facility.
- Supervised maintenance teams responsible for 3-phase 4160V diesel power systems.
- Developed maintenance schedules, labor planning, and operational procedures.
- Implemented safety programs and quality assurance processes for power plant operations.

### **Industrial Power Generation Production Supervisor**

#### **FLORIDA DETROIT DIESEL ALLISON**

Miami, Florida

01/2017 – 04/2017

- Managed installation, maintenance, and replacement of industrial generator systems.
- Supervised service technicians and coordinated outage scheduling.
- Assisted customers with technical support and generator performance troubleshooting.
- Developed service budgets and performance standards for technical teams.

### **Prime Power Generation Operations Superintendent**

#### **SALLYPORT**

Balad, Iraq

03/2016 – 01/2017

- Directed daily power generation operations supervising a team of twenty technicians.
- Managed maintenance of twenty prime power generators and over 280 auxiliary generators.
- Developed standard operating procedures, maintenance schedules, and safety programs.
- Conducted fuel monitoring and load optimization to improve power grid efficiency.

### **Utilities & Energy Infrastructure Project Manager**

#### **ALYESKA RESORT & HOTEL ALYESKA**

Girdwood, Alaska

10/2015 – 03/2016

- Managed electrical power generation and distribution infrastructure supporting resort operations.
- Maintained auxiliary diesel generators and boiler systems supporting facility utilities.
- Supervised electrical system upgrades and expansion projects.
- Coordinated engineering teams and contractors to ensure reliable power delivery.

### **Utilities & Power Generation Operations Manager**

## **CENTERRA LLC**

Diego Garcia, BIOT

03/2015 – 08/2015

- Managed power generation infrastructure including diesel generators and electrical distribution systems.
- Developed operational budgets and cost-control strategies for utilities departments.
- Implemented contingency plans and mobile power generation capabilities.
- Led training programs for power generation technicians and maintenance personnel.

## **Power Generation Project Delivery Manager**

## **ENTECEE ENGINEERING TECHNICAL GROUP**

Cummins Power Generation Contract

03/2013 – 04/2014

- Managed large-scale diesel power generation deployment projects supporting data center infrastructure.
- Directed project scope, schedules, and resource allocation across multiple project teams.
- Coordinated installation of stationary diesel power generation systems.
- Maintained stakeholder communication and ensured project milestones were achieved.

## **Power Plant & Generation Operations Manager**

## **FLUOR-FGG**

FOB Salerno, Afghanistan

01/2013 – 03/2013

- Directed power generation operations supporting U.S. military installations.
- Supervised maintenance of a power plant containing eight 2.5 MW generators.
- Managed maintenance programs for over 1,300 auxiliary diesel generators.
- Led multinational teams responsible for power plant operations and infrastructure reliability.

## **EDUCATION**

### **Associate degree**

Automotive and Diesel Technology

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### **ADDITIONAL POWER GENERATION EXPERIENCE**

- Power Generation Foreman - KBR, FOB Orgun, Afghanistan (2008 – 2009)
- O&M Supervisor - DynCorp International, Iraq & Afghanistan (2006 – 2008)
- Power Generation Foreman - KBR, Camp Taji, Iraq (2005 – 2006)
- Power Generation Foreman - KBR, USMI Camp Babylon, Iraq (2003 – 2005)
- Power Systems Superintendent - ITT Systems, Qatar (2003)
- Maintenance Supervisor - EDG Services, Burns & Roe Service, U.S. Naval Station, Cuba (2002 – 2003)
- Power Plant Maintenance - Raytheon Range Systems (2001)
- Junior Engineering - Chevron Shipping Company & Tidewater Marine, Alaska (1994 – 1998)