

Tactical Electric Power (TEP)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To provide modernized tactical electric power sources for all military services.

DESCRIPTION

The Tactical Electric Power (TEP) program consists of Small [2–3 kilowatt (kW)], Medium (5–60kW), and Large (100–840kW) electrical power generating systems, trailer mounted power units and power plants, and electrical distribution equipment that provide standardized power management solutions to all DoD agencies and numerous allied nations. The Project Manager-Mobile Electric Power systems:

- Maximize fuel efficiency
- Increase reliability (500–600 hours average time between failure), maintainability, and transportability through standardization
- Minimize weight and size while meeting all user requirements
- Operate at rated loads in all military environments
- Reduce infrared signature and noise (less than 70 A-weighted decibels at 7 meters)
- Are survivable in chemical, biological, and nuclear environments

- Meet power generation and conditioning standards in accordance with military standards (Mil-STD 1332)
- Provide quality electric power for command posts; command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) systems; weapon systems; and other battlefield support equipment

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **FY08–09:** Production and fielding ongoing for 2 kilowatt Military Tactical Generator (MTG), 3kW, 5kW, 10kW, 15kW, 30kW, 60kW, 100kW and 200kW Tactical Quiet Generator (TQG)
- **FY08–09:** Continue assembly and fielding of power units and power plants (trailer-mounted generator sets)
- **FY08–09:** Advanced Medium Mobile Power Sources (AMMPS), the next generation of medium TEP sources, continues in Phase 2, System Demonstration

- **FY08–09:** Final Deployable Power Generation and Distribution System (DPGDS) Army “B” models delivered to the 249th Engineer Battalion (Prime Power)
- **FY08–09:** Production and fielding ongoing for Power Distribution Illumination System Electrical (PDISE)
- **FY08–09:** Fielded the 15kW “B” model TQG

PROJECTED ACTIVITIES

- **FY09–10:** Continue production and fielding of PDISE.
- **FY09–10:** Continue production and fielding of MTG/TQG generator sets, power units, and power plants
- **2QFY09:** First delivery of AMMPS pre-production test models
- **3QFY09:** AMMPS Developmental and Operational Testing
- **3QFY10:** AMMPS Milestone C and full-rate production contract
- **3QFY09:** AMMPS Milestone C and full-rate production contract

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Tactical Electric Power (TEP)



2kW Military Tactical Generator



3kW Tactical Quiet Generator



5kW Tactical Quiet Generator



10kW Tactical Quiet Generators



15kW Tactical Quiet Generator



30kW Tactical Quiet Generator



60kW Tactical Quiet Generator



100kW Tactical Quiet Generator



840kW Deployable Power Generation and Distribution System

FOREIGN MILITARY SALES

Tactical quiet generators have been purchased by Egypt, Israel, Korea, Kuwait, Saudi Arabia, Turkey, United Arab Emirates, and 11 other countries.

CONTRACTORS

3kW, 5kW, 10kW, 15kW, 100kW and 200kW TQG:

DRS Fermont (Bridgeport, CT)

30kW, 60kW TQG:

L-3 Westwood (Tulsa, OK)

2 kilowatt MTG:

Dewey Electronics (Oakland, NJ)

DPGDS:

DRS Technical Solutions (Herndon, VA)

PDISE:

Fidelity Technologies Corp. (Reading, PA)

Trailers for power units and power plants:

Schutt Industries (Clintonville, WI)

Advanced Medium Mobile Power Sources 5–60kW:

Cummins Power Generation (Minneapolis, MN)

