Tactical Electric Power (TEP)

MISSION
Provides standardized tactical electric power to the Department of Defense in support of national security.

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 Department of Defense agencies and numerous Allied nations. The Project Manager Mobile Electric Power’s systems:

- Operate at rated loads in all military environments
- Reduce infrared signature and noise (less than 70 decibels at seven meters)
- Are survivable in chemical, biological, and nuclear environments
- Meet power generation and conditioning standards in accordance with military standards (MIL-STD 1332)

TEP systems provide essential power for Brigade Combat Team command posts, command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) systems, air defense, aviation, field artillery, force provider, and combat support and service support systems. The military-ruggedized commercial components use alternative and renewable energy sources. The TEP has a variety of generator set sizes: 2kW Military Tactical Generator (MTG), 3kW Tactical Quiet Generator (TQG), 5kW TQG, 10kW TQG, 15kW TQG, 30kW TQG, 60kW TQG, 100kW TQG, 200kW TQG, and 840kW Deployable Power Generation and Distribution System (DPGDS);

- FY12-FY14: Continue Production and Fielding of Advanced Medium Mobile Power Sources (AMMPS), 3kW TQG, 100kW TQG, and Power Distribution Illumination System Electrical (PDISE)

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
- FY11: Continued Production and Fielding of 2kW MTG, 3kW TQG, 5kW TQG, 10kW TQG, 15kW TQG, 30kW TQG, 60kW TQG, 100kW TQG, 200kW TQG, and 840kW DPGDS
- 2QFY11: Large Advanced Mobile Power Sources (LAMPS) Milestone B Approved, enter Engineering and Manufacturing Development (EMD)
- 4QFY11: AMMPS Type Classification Standard (TC-Std), Full Materiel Release (FMR), and Full-Rate Production (FRP) Approved

PROJECTED ACTIVITIES
- 1QFY12-2QFY12: 3kW TQG Re-procurement
- 3QFY12: Large Advanced Mobile Power Sources (LAMPS) Contract Award for Engineering and Manufacturing Development (EMD)
- 3QFY12-2QFY13: Power Distribution Illumination System Electrical (PDISE) Re-procurement
FOREIGN MILITARY SALES
Tactical Quiet Generators (TQGs) have been purchased by 38 countries

CONTRACTORS
3kW, 5kW, 10kW, 15kW, 100kW, and 200kW TQG:
DRS Fermont (Bridgeport, CT)

30kW, 60kW TQG:
L-3 Westwood (Tulsa, OK)

2kW MTG:
Dewey Electronics (Oakland, NJ)

Deployable Power Generation and Distribution System (DPGDS):
DRS Fermont (Bridgeport, CT)

Power Distribution Illumination System Electrical (PDISE):
Fidelity Technologies Corp. (Reading, PA)

Advanced Medium Mobile Power Sources (AMMPS) 5-60kW:
Cummins Power Generation (Minneapolis, MN)